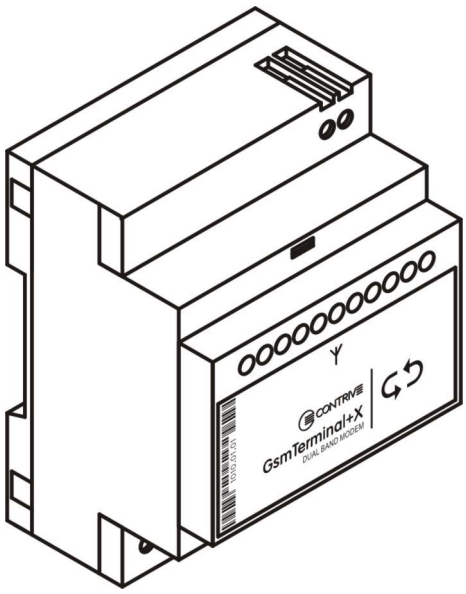
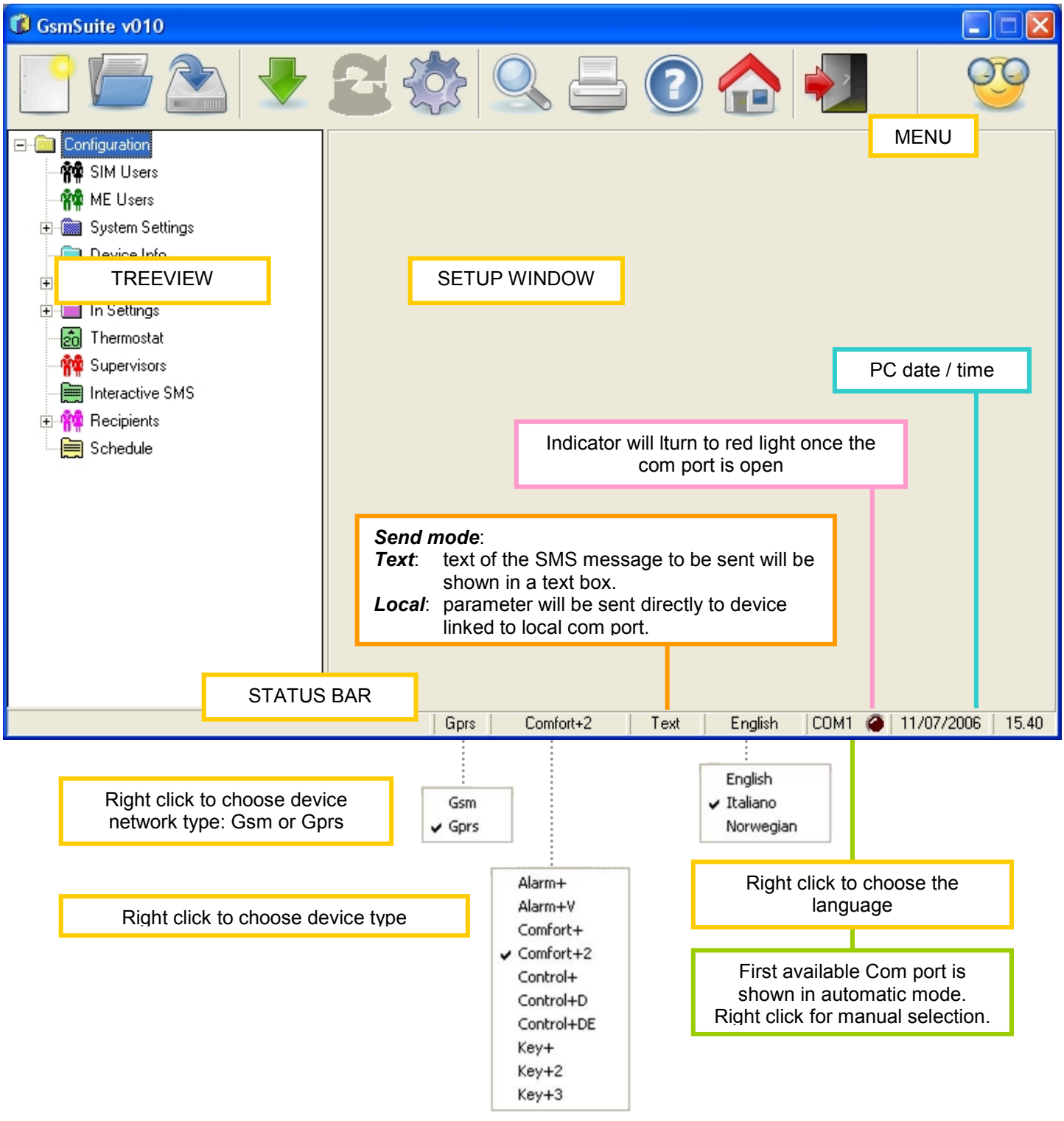
CONTRIVE



Wireless Products

GsmSuite

REVISION
002.06
September 2006


GsmSuite v010
MENU
Configuration
SIM Users
ME Users
System Settings
In Settings
Thermostat
Supervisors
Interactive SMS
Recipients
Schedule
TREEVIEW
SETUP WINDOW
PC date / time
Indicator will lturn to red light once the com port is open
Send mode:
Text: text of the SMS message to be sent will be shown in a text box.
Local: parameter will be sent directly to device linked to local com port.
STATUS BAR
Gprs
Comfort+2
Text
English
COM1
11/07/2006
15.40
Right click to choose device network type: Gsm or Gprs
Gsm
Gprs
English
Italiano
Norwegian
Alarm+
Alarm+V
Comfort+
Comfort+2
Control+
Control+D
Control+DE
Key+
Key+2
Key+3
Right click to choose device type
Right click to choose the language
First available Com port is shown in automatic mode. Right click for manual selection.

MENU

New
Open a new configuration with default settings for selected device.

Search text
Search for specific text into current configuration

Load
Load configuration from file.

Print configuration
Send a configuration file to printing device

Save
Save configuration to file.

Link to help file
Open help file

Connect
Load configuration from device connected to local com port.

Link to website
Open manufaturer's website

Disconnect
Close the link with device connected to local com port.

Exit
Exit program

Refresh
Reload configuration from device connected to local com port.

Open terminal
Open terminal emulation window

Write
Send a configuration file to device linked to loacl com port.

Close terminal
Close terminal emulation window

Show function key
Open a floating window for frequent used strings.
All strings can be customised and saved to file.

TREEVIEW (CONFIGURATION)

All settings are belonging to **Configuration** folder:

SIM Users
Recognised users can be stored into SIM phonebook.
Users stored into SIM card are permanently enabled.

ME Users
Recognised users can be stored into device phonebook.
Special conditions can be set for such users.

System settings
General settings available to configure specific features.

Device info
Information about device and application environment to improbe readability of messages sent by the unit.

Commands
Text to be used like remote SMS / DTMF command.

In Settings
Configuration for each device input channel.

Thermostat
Temperature regulator settings (GsmComfort only).

Supervisors
Users enabled for remote administration.

Interactive SMS
Messages to be sent to conditional users (ME users) once their privileges change or expire.

Recipients
Recipients for alerts issued on local event.
One or more different alerts can be issued to a single recipient at same time.

Schedule
Up to 100 predefined operations can be executed on time basis.

TREEVIEW (CONTROL)

Control operation for linked device are belonging to **Control** folder:

Commands
Local control for linked device.

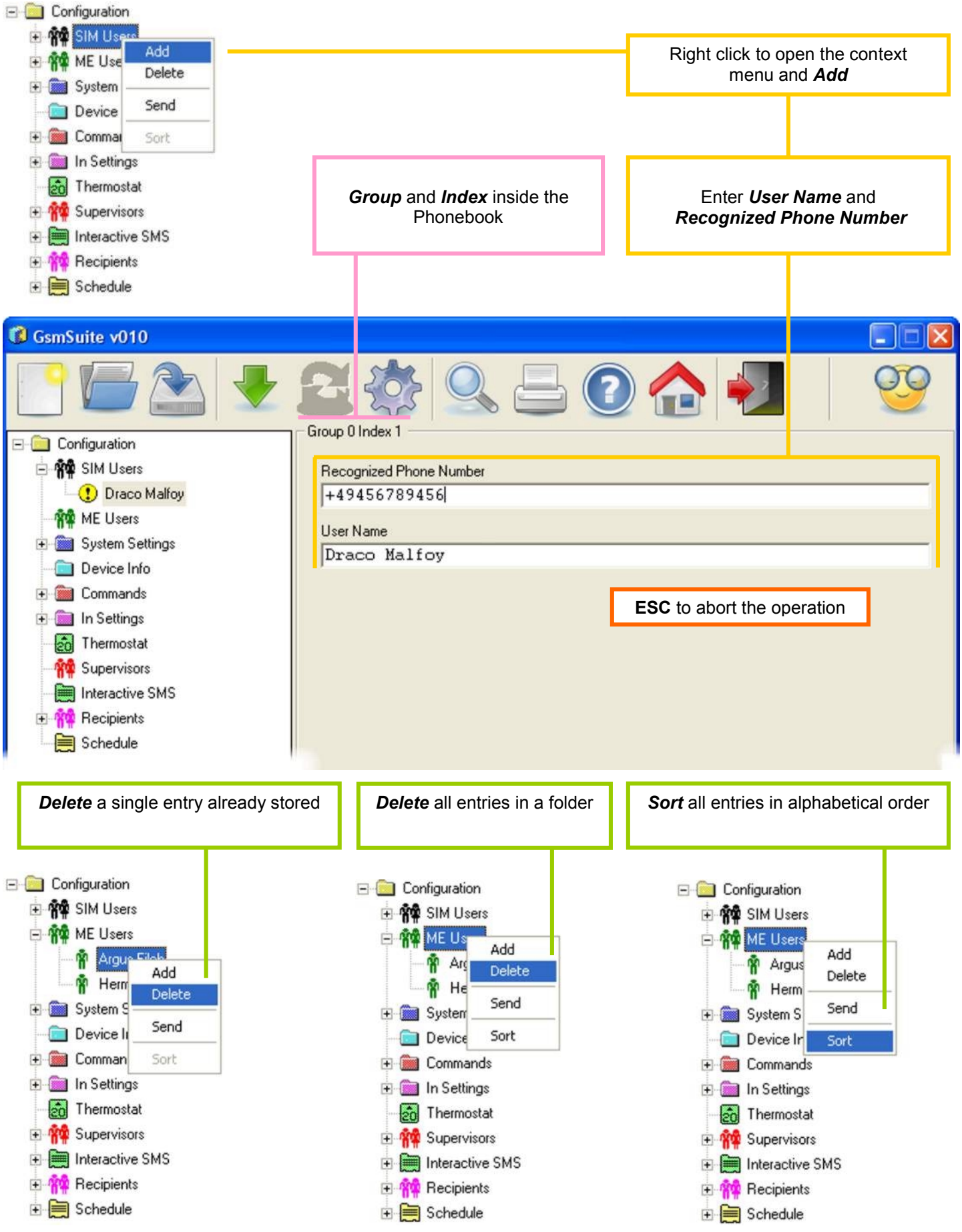
Trace
Enable (and save to file) a real time trace log coming from linked device.

View Last Calls
View answered and unanswered incoming calls.

Device Info
View a diagnostic report for device linked to local com port.

Clock Sync
Device Real time clock settings.

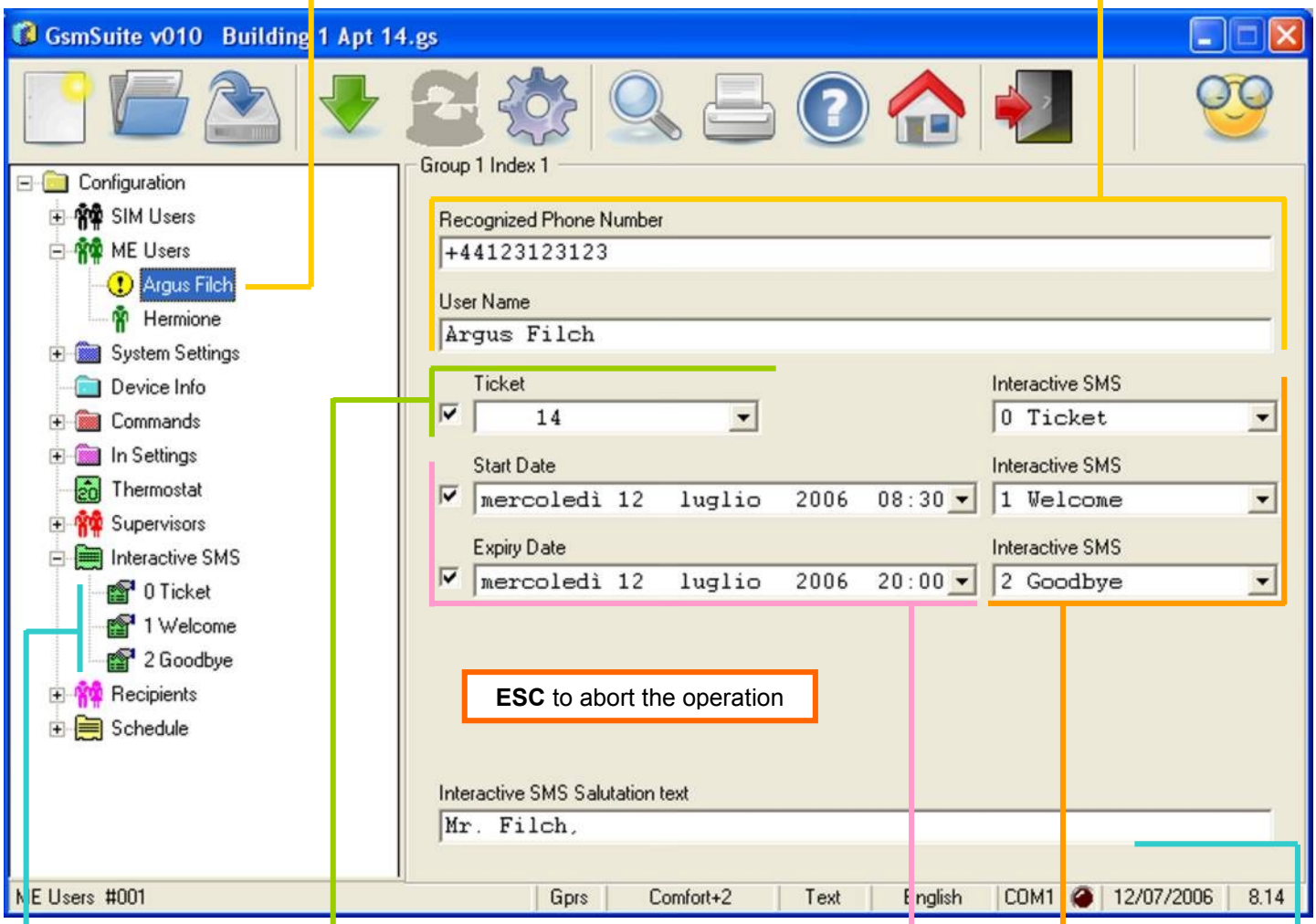
SIM USERS (PERMANENT)



ME USERS (CONDITIONAL)

Right click to open the context menu and ***Add***

Enter ***User Name*** and ***Recognized Phone Number***



For each ME User a maximum number of allowable ***Ticket*** could be defined. Free calls remote control will be possible until Tickets will be completely used. ME User will stay into Phonebook and Tickets could be reloaded.

For each ME User is possibile to set a ***Start Date and*** and ***Expiry Date***.
Any incoming free call will be served only within this period. ME User will be removed automatically from Phonebook once expired.

It' possible to issue an SMS at every condition changes: start, expiry and ticket use.
Remaining tickets will be reported at the end of specific SMS. Message text is loaded from a the ***Interactive SMS*** list.

Interactive SMS is made by a trailing text specific for each ME User (***Intreractive SMS salutation text***) and the text defined in the specific list.

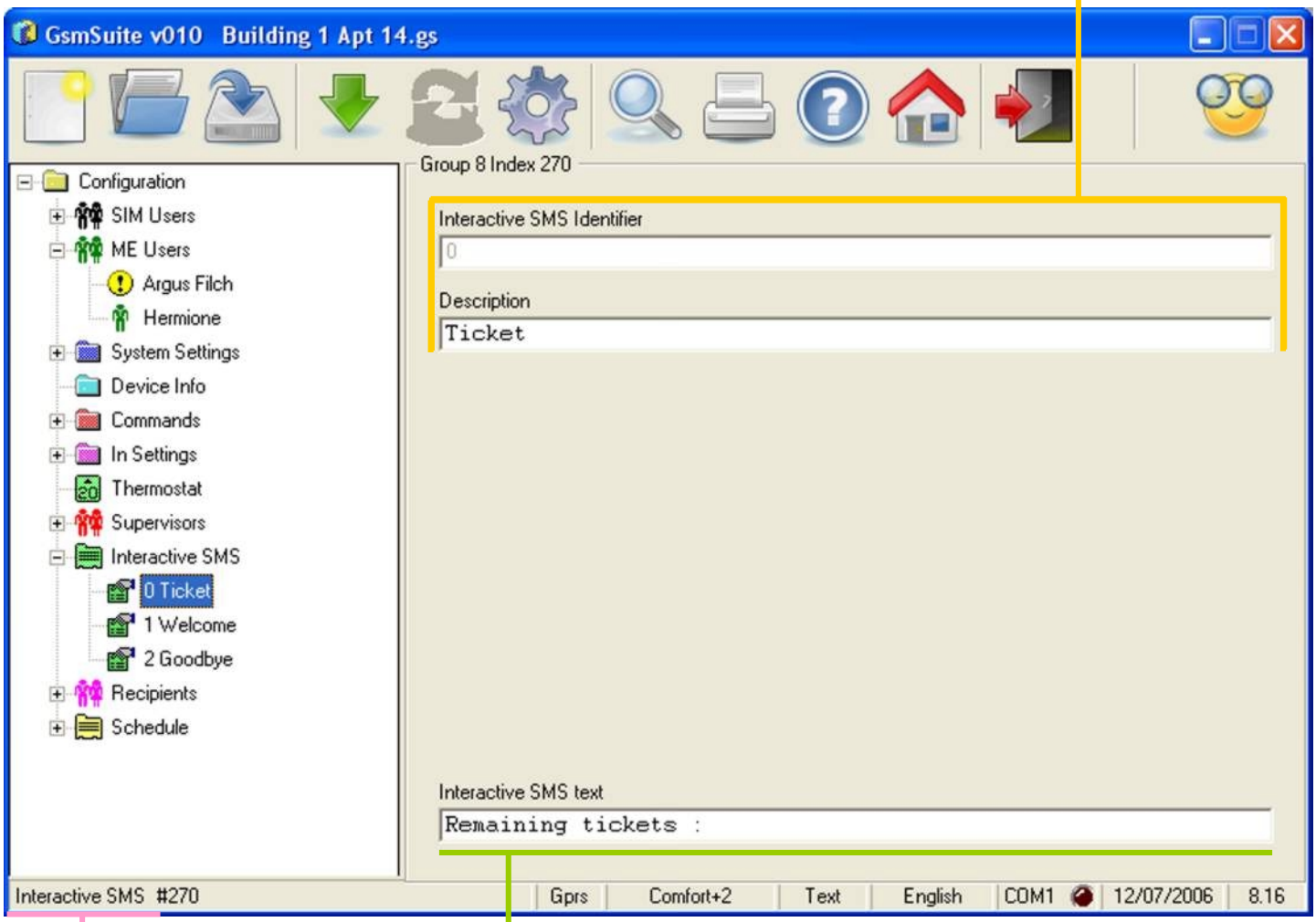
INTERACTIVE SMS

ESC to abort the operation

Right click to open the context menu and ***Add***

Up to 10 different messages can be defined, ***Interactive SMS identifier*** will be automatically assigned 0–10.

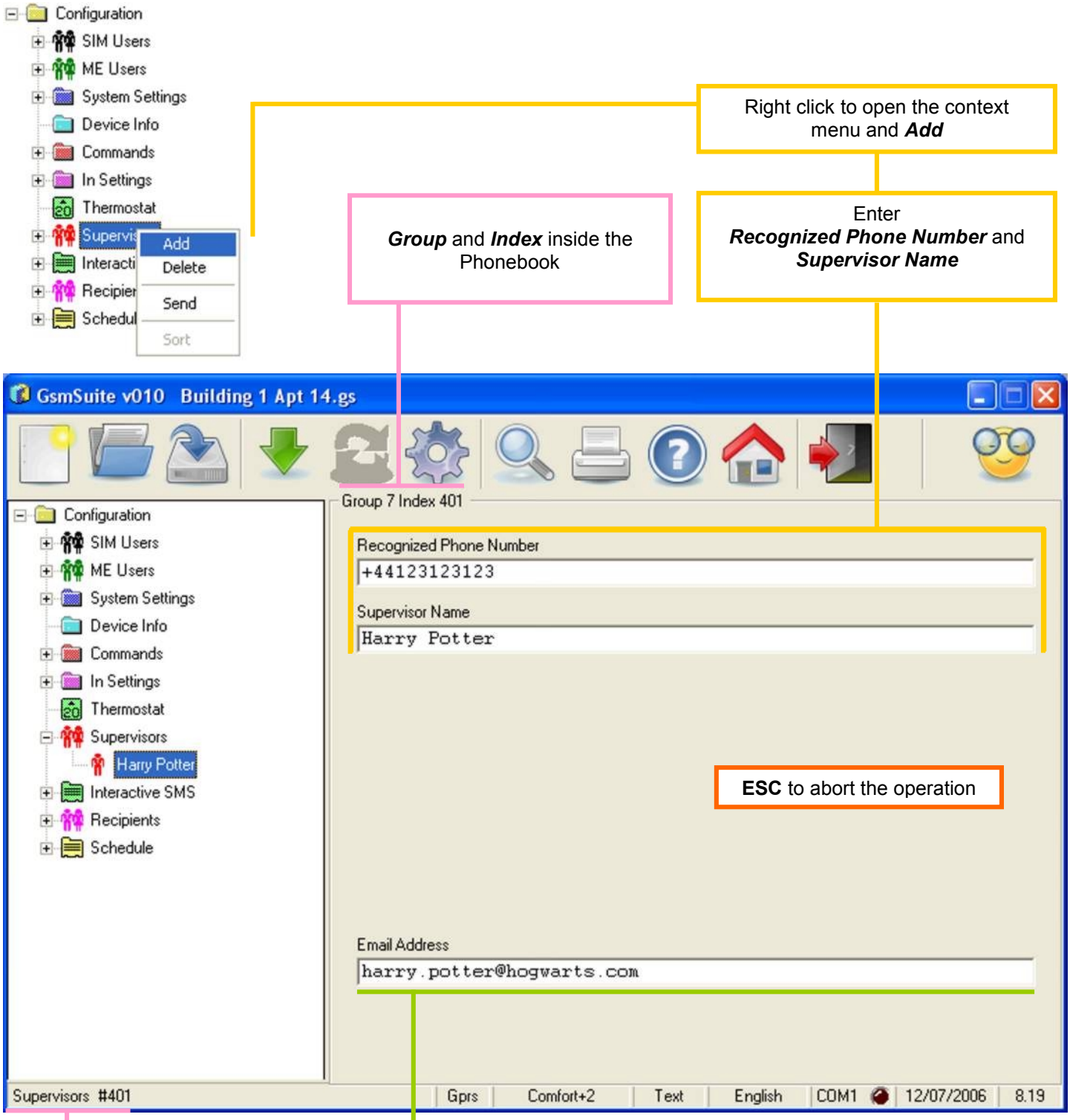
Messages can be identified also by means of a specific ***Description*** Within the ***ME Users*** window.



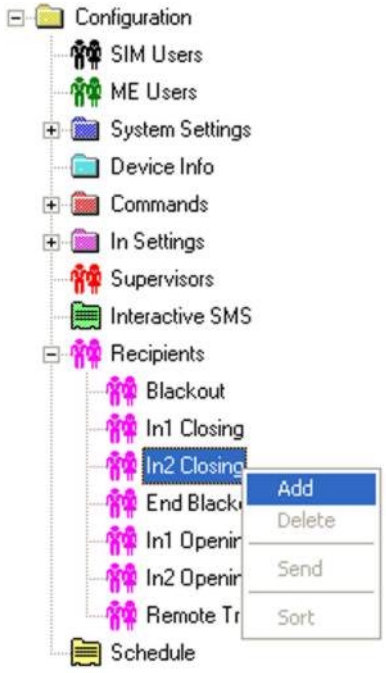
Belonging folder and ***Index*** assigned into Phonebook

Interactive SMS text to be sent to ***ME User***.
A trailing text will be added for each user and remainig ***Tickets*** could follow.

SUPERVISORS



RECIPIENTS



ESC to abort the operation

Right click to open the context menu and ***Add*** a ***Recipient*** to specific event

Enter ***Phone Number*** for specific alert delivery :

Ring

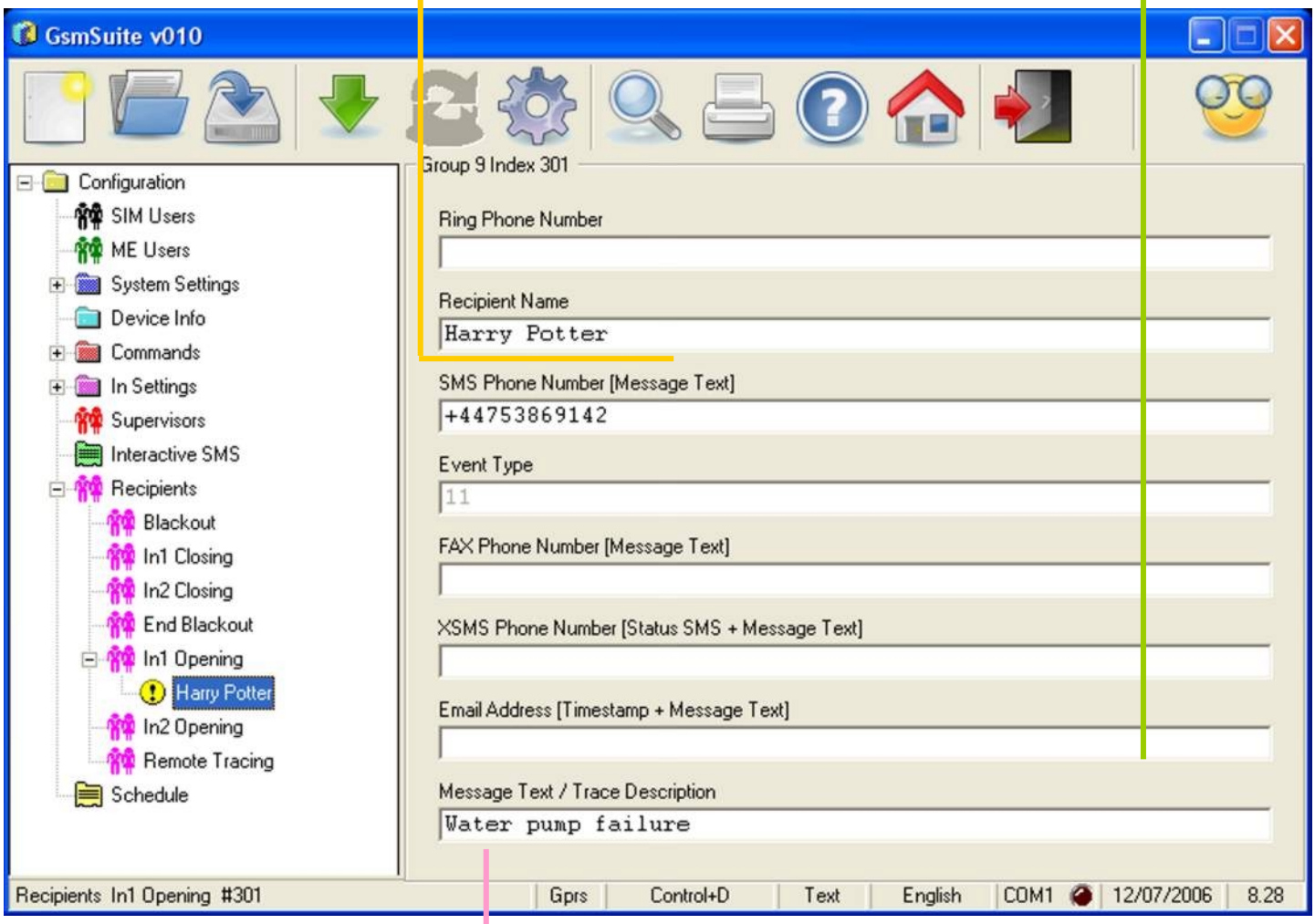
SMS

Fax

Extended SMS

Multiple alerts can be defined.

Only for GPRS devices an ***Email Address*** could be specified

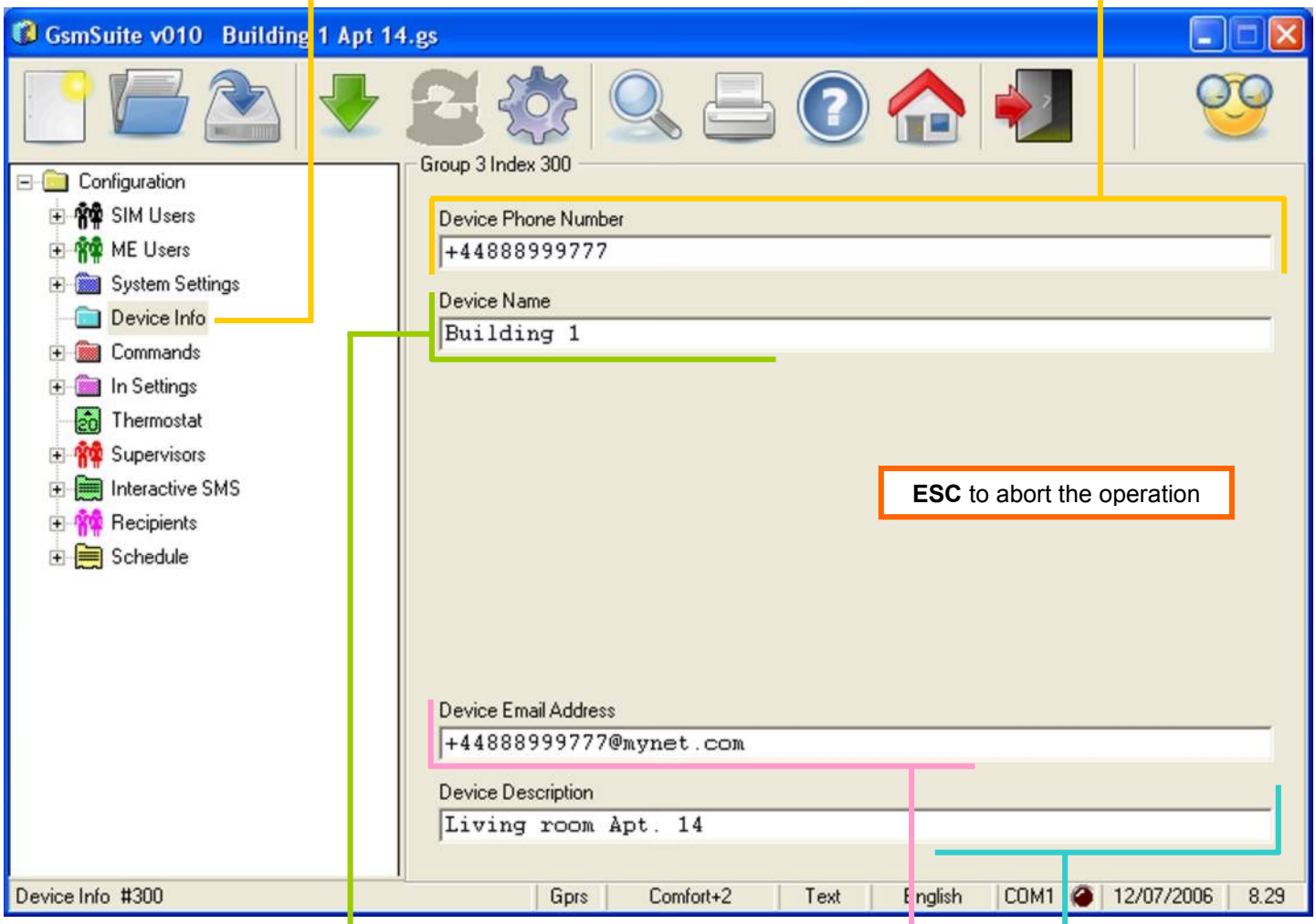


Text of the message to be sent on event

DEVICE INFO

Click to select ***Device Info***

Enter ***Device Phone Number*** used for real time clock autosync i.e. phone number of sim card in device



Short text description to aid identification of the device when certain SMS messages are sent.

An optional ***Device Email Address*** that will receive a copy of all Emails sent by the device.

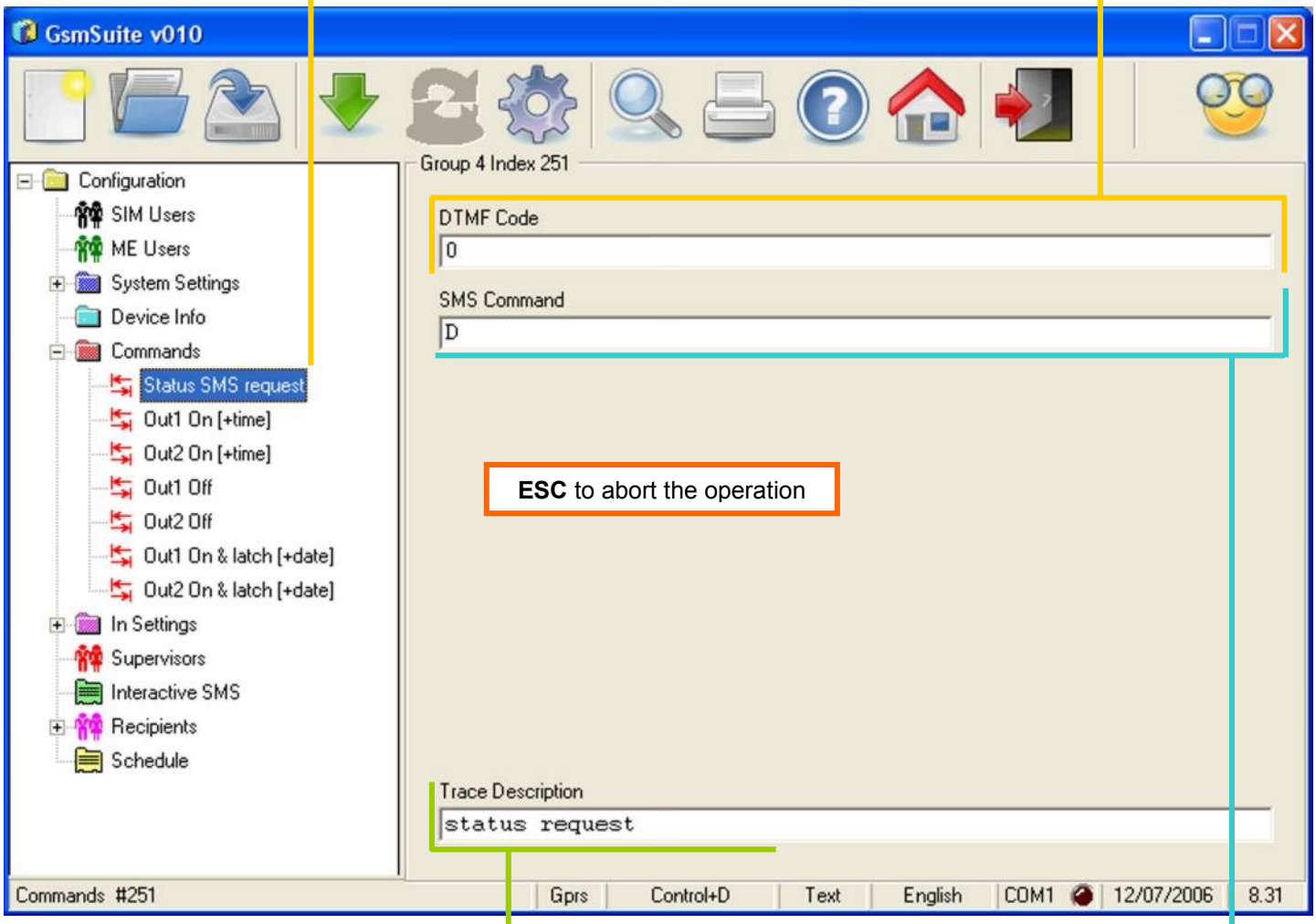
A detailed ***Device Description*** coul help to identify the specific application. The information will be sent into any SMS issued to ***Recipients***.

COMMANDS

Numeric key tone assigned to specific command for devices with keyboard control (***DTMF Code***) capability.
i.e.: key ***0*** will request ***Status SMS***

Since up to 5 commands can be issued in a single call, the command must be made by a single numeric character.

Only applicable commands for the selected device are listed into ***Commands*** folder



ESC to abort the operation

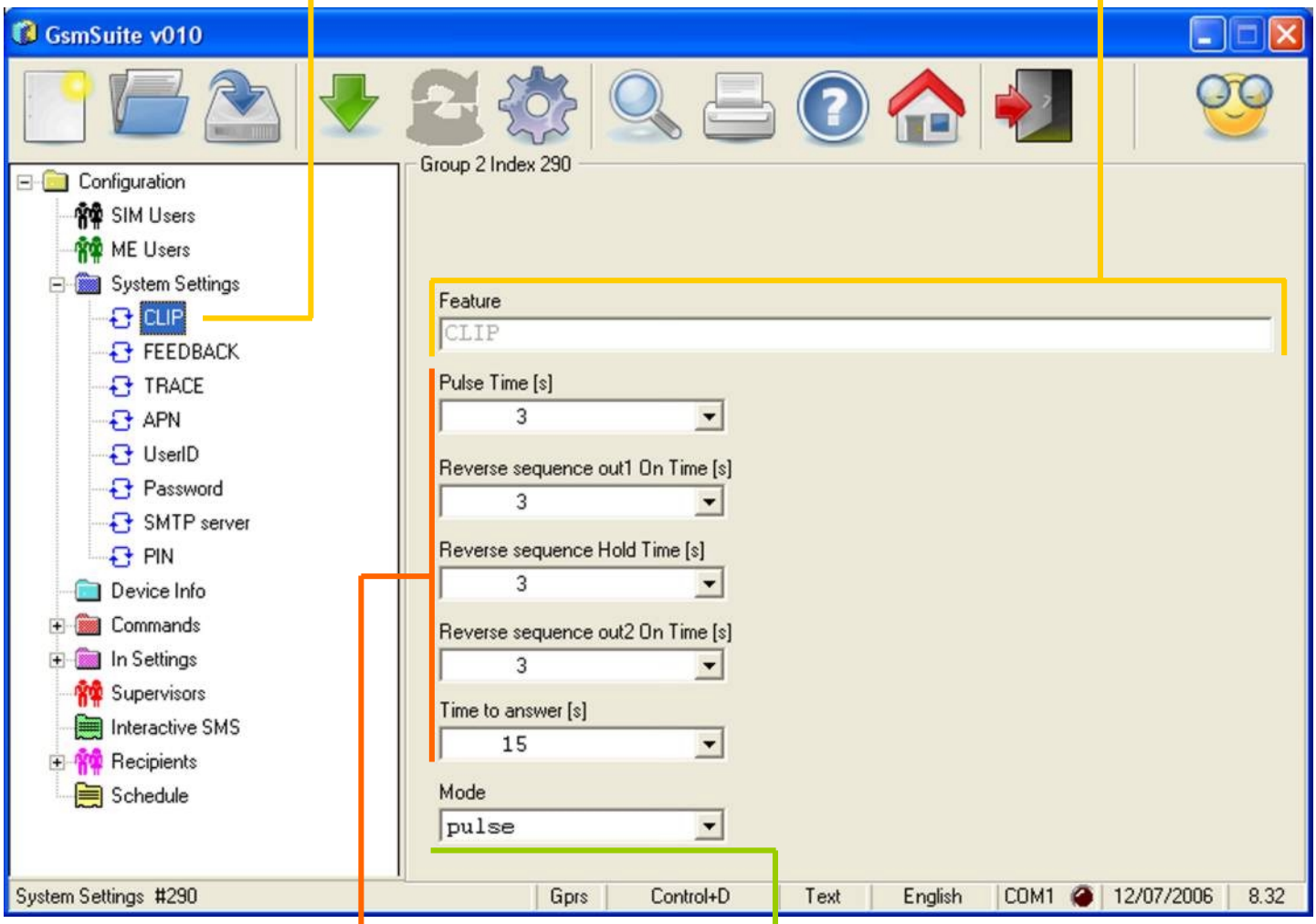
Text Description is the text string to be logged via the local com port when trace is on.

The incoming text to be processed as a specific command within an incoming SMS from registered users.. i.e.: text ***D*** will request a ***Status SMS***. Since up to 5 commands can be issued within a single SMS, a command must be made of a single word only (no spaces, i.e.: stoppump) .

SYSTEM SETTINGS (CLIP)

Specific configuration settings are listed into ***System Settings*** folder.

CLIP ***Feature*** sets the behaviour of the device activated by incoming calls from registered users.



Mode :

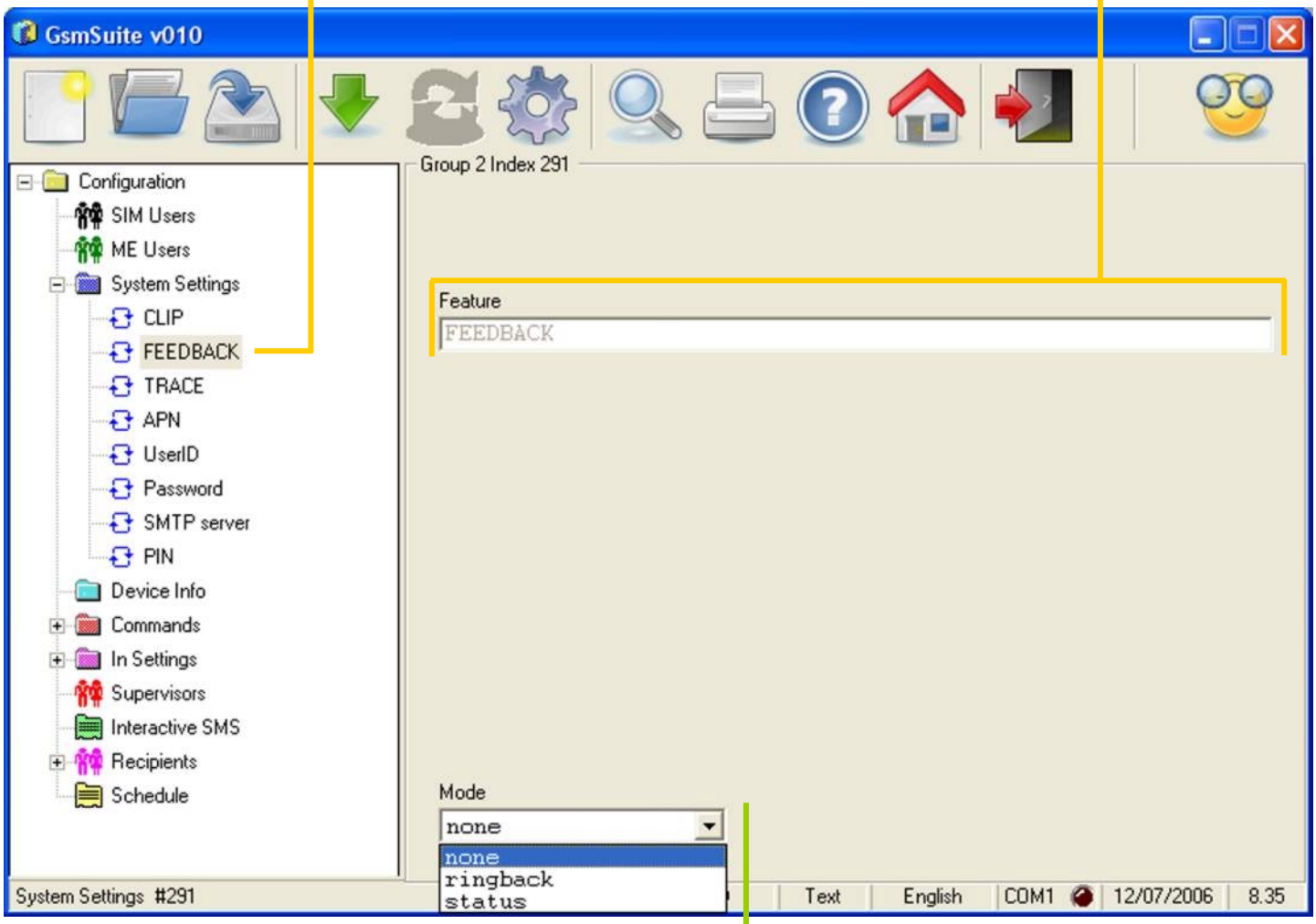
none	disabled: all incoming calls will be rejected
pulse	outputs will turn on for specified time
toggle	toggle outputs (turn on when off and vice-versa)
reverse	start a sequence out 1, pause, out 2
dtmf	answers to incoming calls waiting for keyboard DTMF commands

Time settings active on applicable modes only (all shown).

SYSTEM SETTINGS (FEEDBACK)

Specific configuration settings are listed into ***System Settings*** folder.

FEEDBACK ***Feature*** enables, disables and selects possible confirmation options available to Users following telephone commands.



Mode :

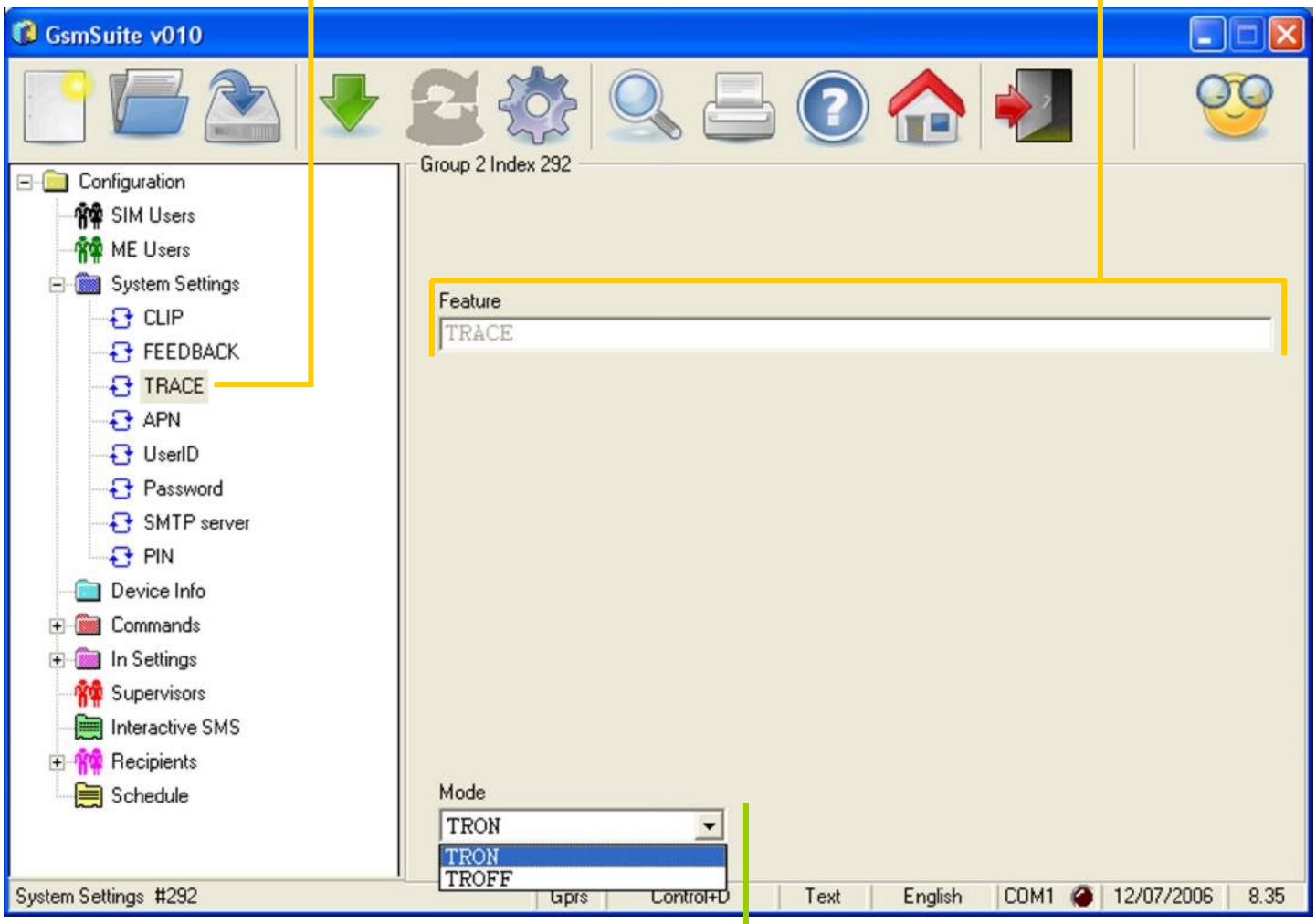
none	no confirmation issued
ringback	simple ringback will confirm the operation
status	a status SMS will confirm the operation

While in ***toggle*** mode a ringback is issued to confirm the output turn on (no ringback turning off). This discriminates between the ON and OFF confirmation without waiting for answer and tone confirmation.

SYSTEM SETTINGS (TRACE)

Specific configuration settings are listed into ***System Settings*** folder.

TRACE ***Feature*** enables or disabiles the issue of log string to local com port. Factory default = TRON.
Nb. TRACE window I visible under ***Control***

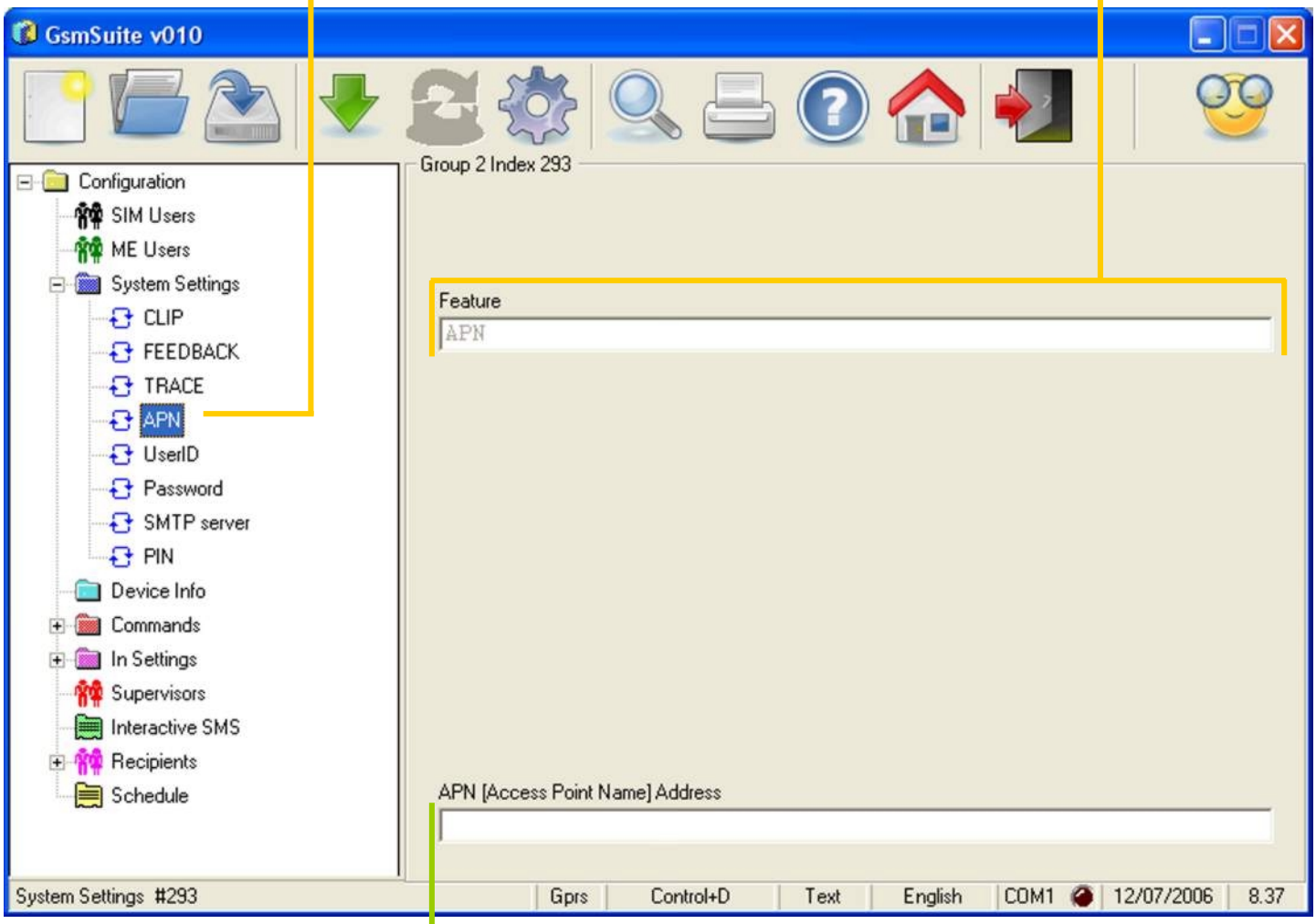


Mode :
TRON trace ON
TROFF trace OFF

SYSTEM SETTINGS (APN)

Specific configuration settings are listed into ***System Settings*** folder.

APN ***Feature*** is intended to specify the Access Point Name to the Network (GPRS devices only). No need to set when Email service is not used.

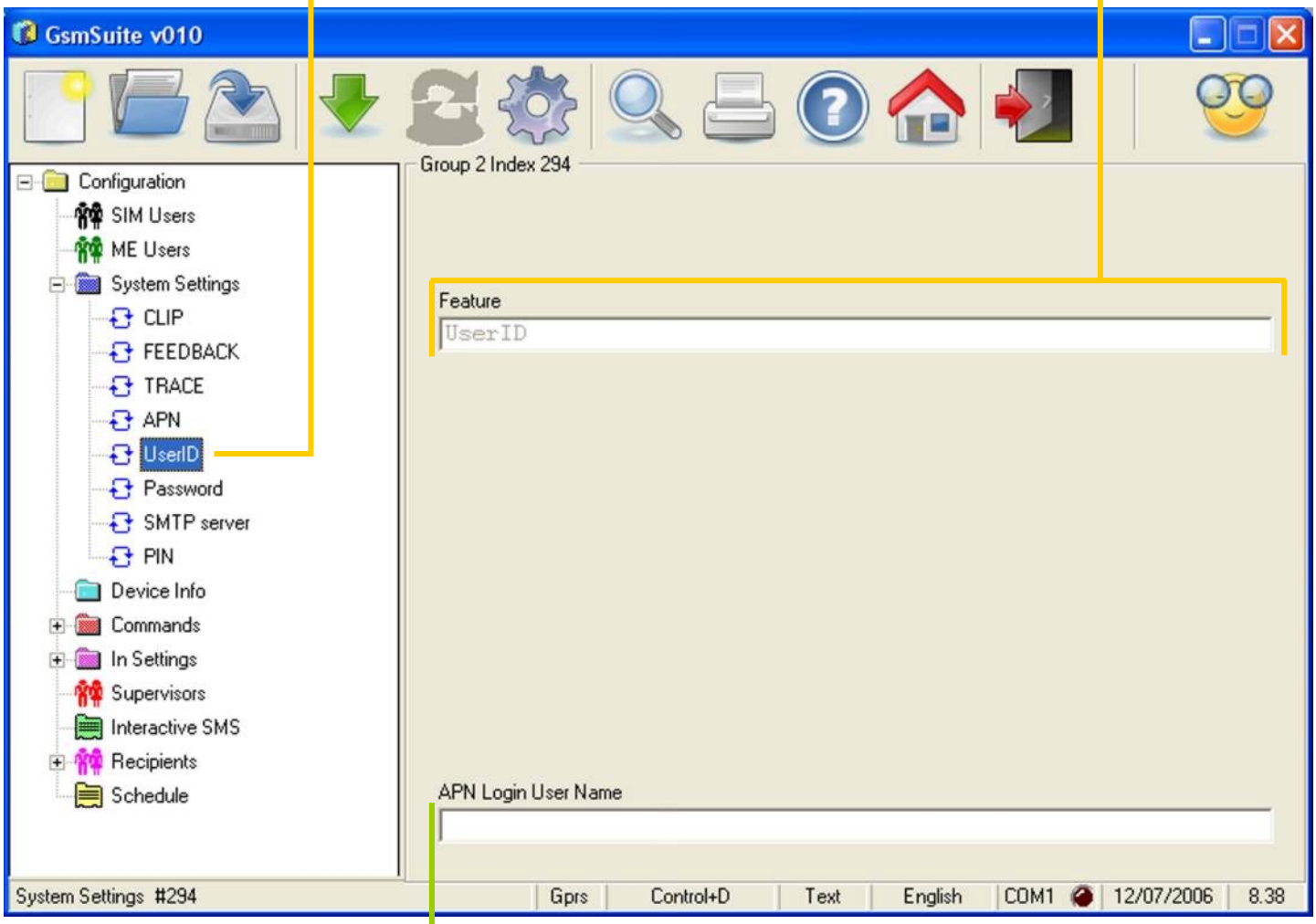


APN :
enter Access Point Name, usually provided by the mobile phone operator.

SYSTEM SETTINGS (UserID)

Specific configuration settings are listed into ***System Settings*** folder.

UserID ***Feature*** is to specify the User Identifier to access the Network, for GPRS devices only.
No need to set when Email service is not used.

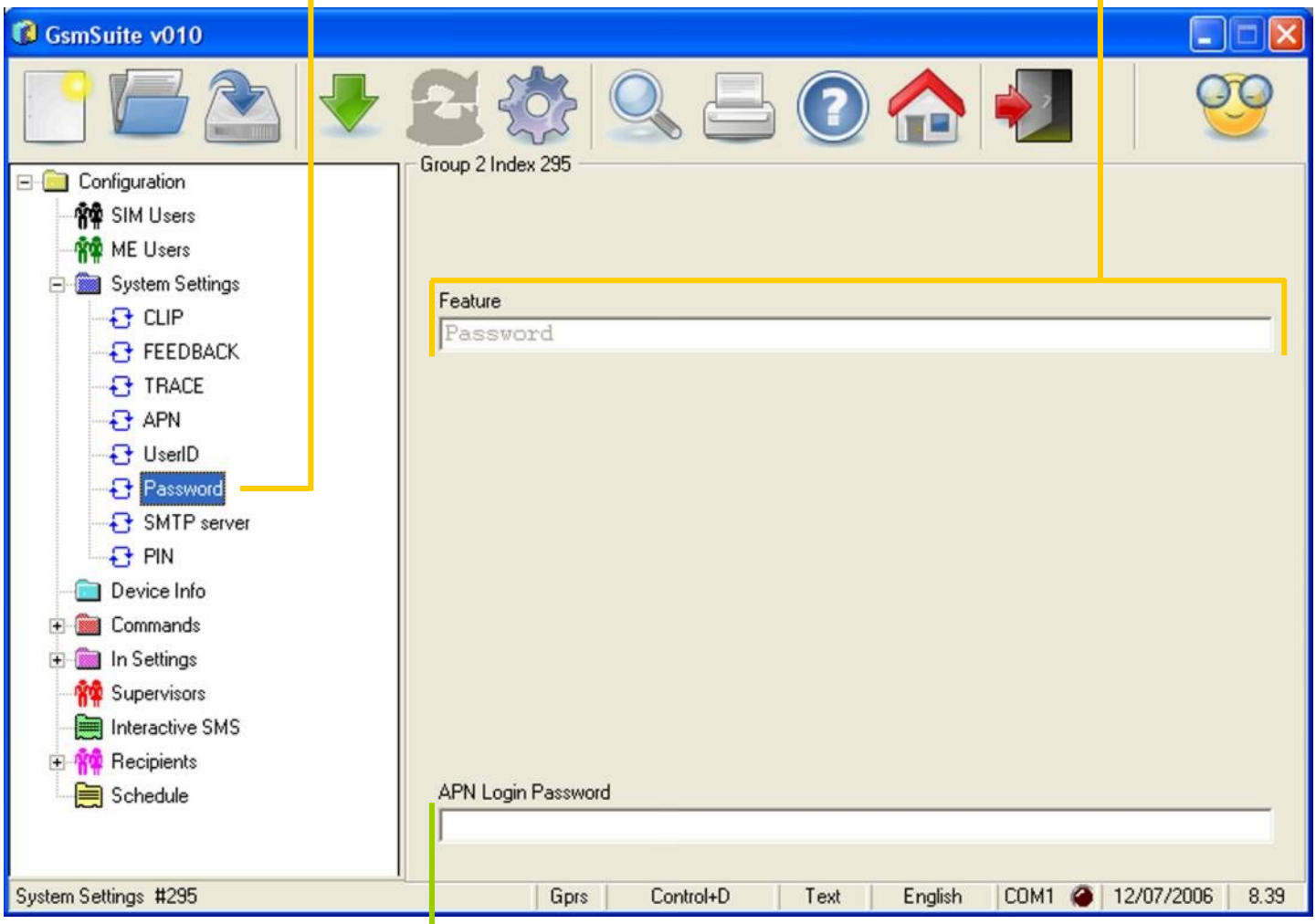


APN Login User Name :
name specified for the network account, as defined with mobile network operator.

SYSTEM SETTINGS (Password)

Specific configuration settings are listed into ***System Settings*** folder.

Password ***Feature*** is to specify the password to grant the Network access, for GPRS devices only.
No need to set when Email service is not used.

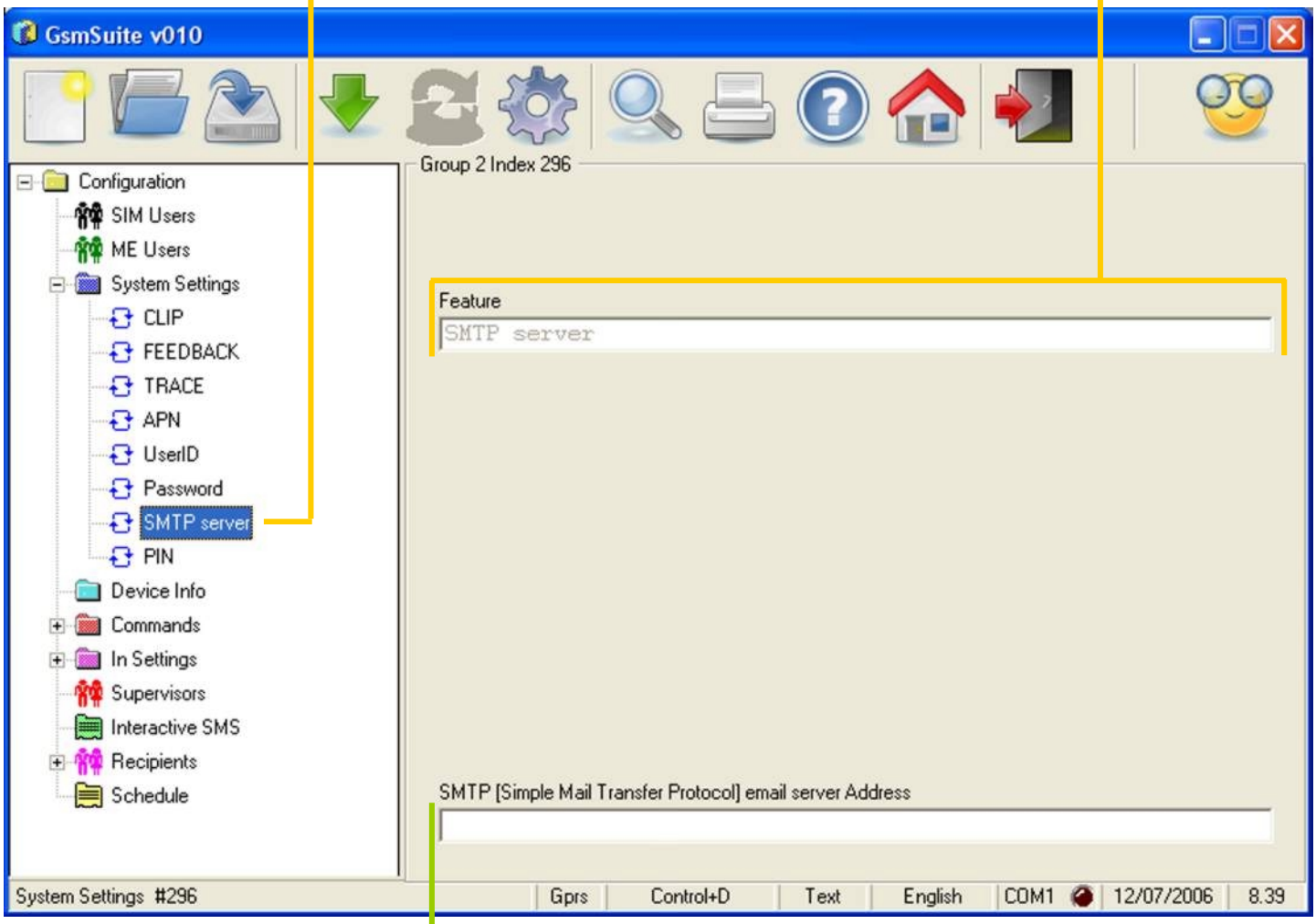


APN login Password :
enter the password registered for the account defined with network operator.

SYSTEM SETTINGS (SMTP server)

Specific configuration settings are listed into ***System Settings*** folder.

SMTP server ***Feature*** is to specify the mail server address, for GPRS devices only.
No need to set when Email service is not used.

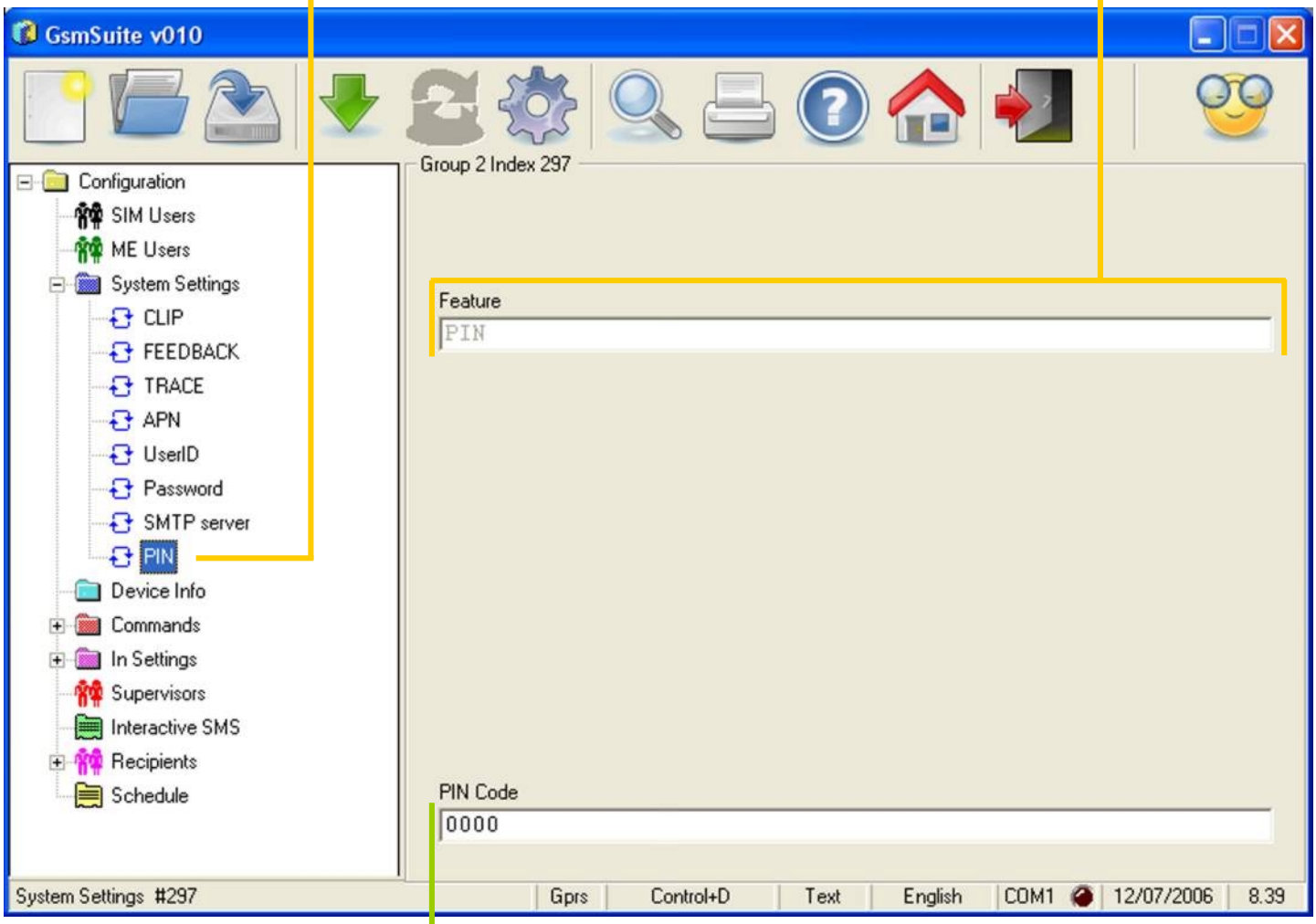


SMTP Email server Address :
enter the address provided by the opeartor for the Simple Mail Transfer Protocol.

SYSTEM SETTINGS (PIN)

Specific configuration settings are listed into ***System Settings*** folder.

PIN ***Feature*** is to specify the device PIN code. Ame code will be used to open the SIM card when PIN code verify is activated.

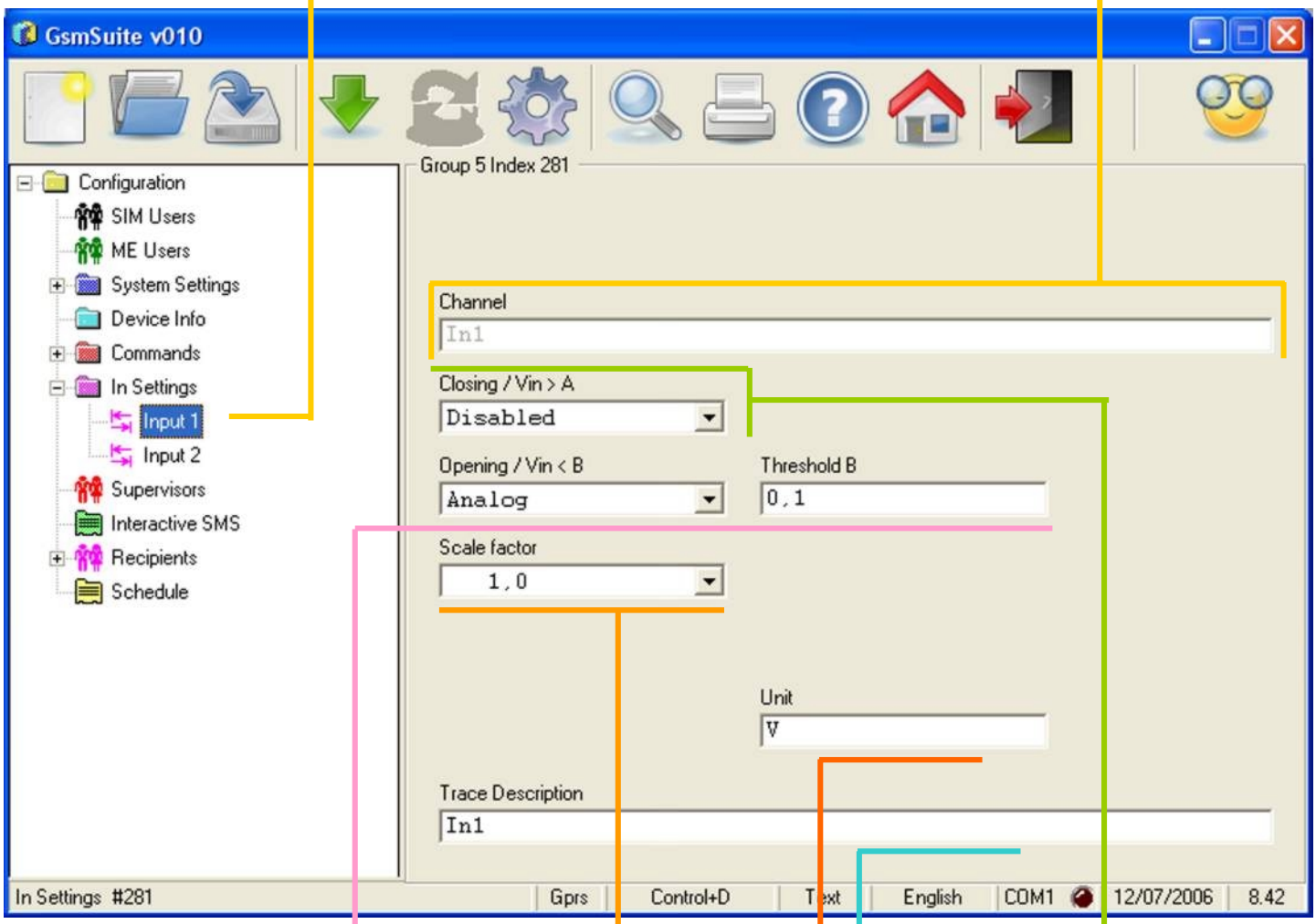


PIN :
factory set to 0000. When SIM card PIN verify is active this number must match the one stored into the card.

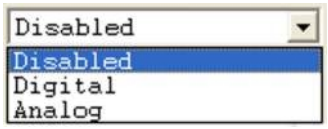
IN SETTINGS

Select the input to be configured

Settings for specified ***Channel*** will be available in the setup window.



Input opening will be detected selecting digital mode.



In the example above the analog mode is selected with threshold set to 0.1V.

Measure can be converted by a given ***Scale Factor.*** Above the real input voltage range (0÷10V) is multiplied by 1, the end of scale will be 10V. Threshold settings will be in scaled value.

The trailing text to be used as measure unit in status SMS.

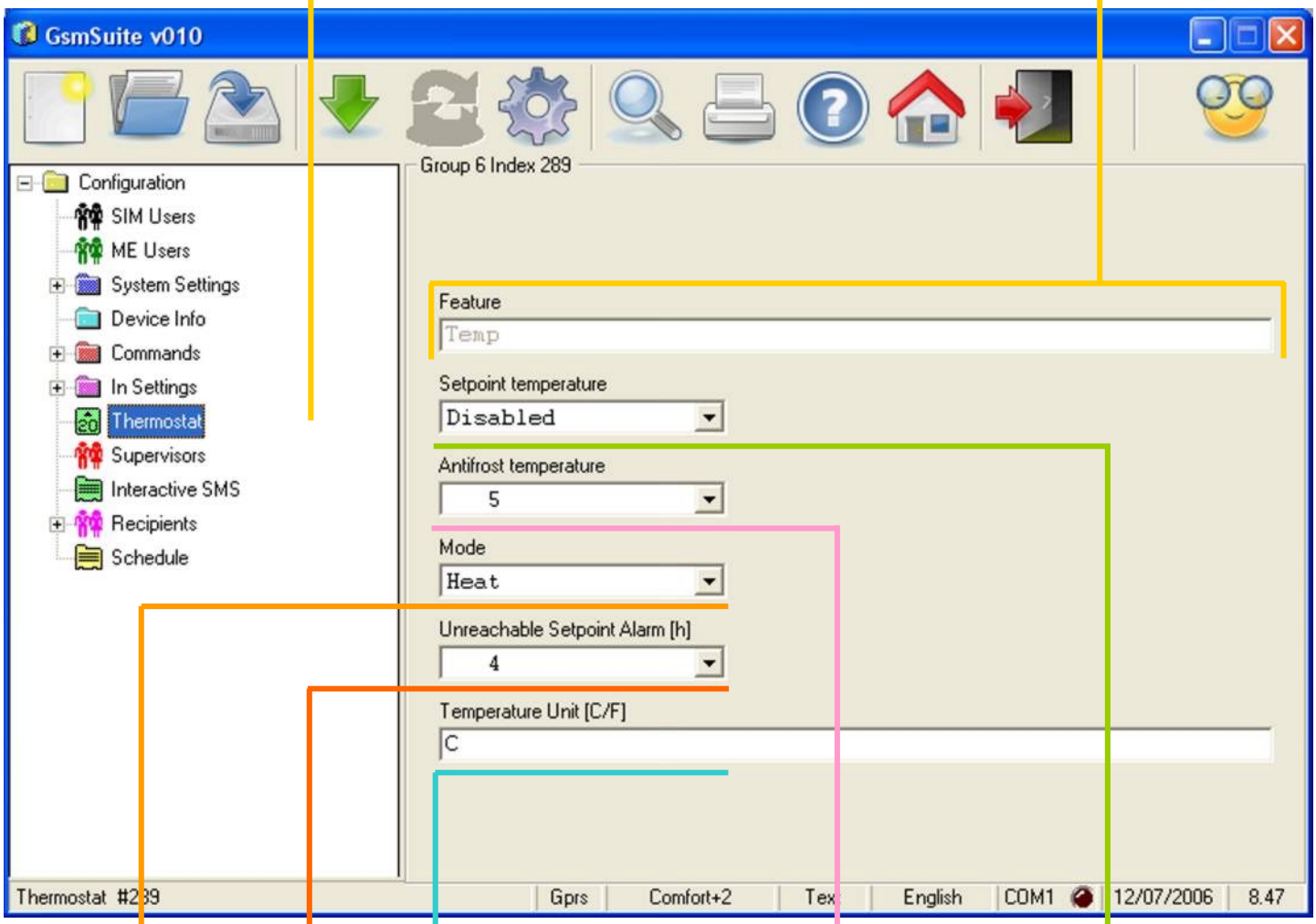
In the example above detection on input closing is disabled, thus no alerts will be issued, even if some ***Recipient*** is defined for such event.

Text Description is the text to be used within the log string issued to local com port (trace on).

THERMOSTAT

Select ***Thermostat***

Setting available for ***GsmComfort*** only



Operating mode: ***Heating*** o ***Cooling***

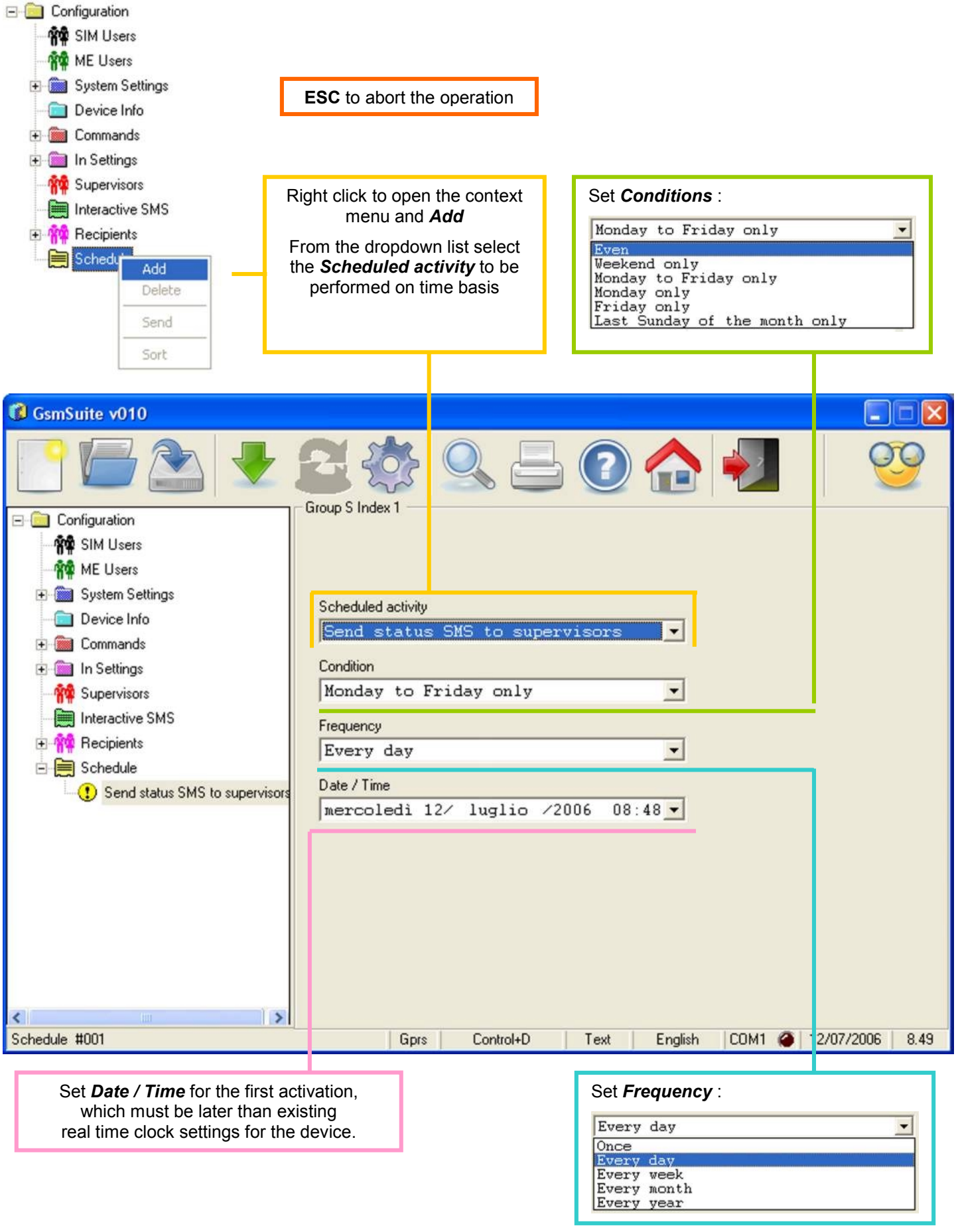
Temperature Unit: F or f will set ***Fahrenheit*** degrees, any other letter or text will set ***Celsius*** degrees.

Setpoint temperature (2÷37°C / 36÷99°F). Any supervisor can modify this setting issuing an SMS. For ON/OFF control only, without temperature regulation, select ***Disabled***.

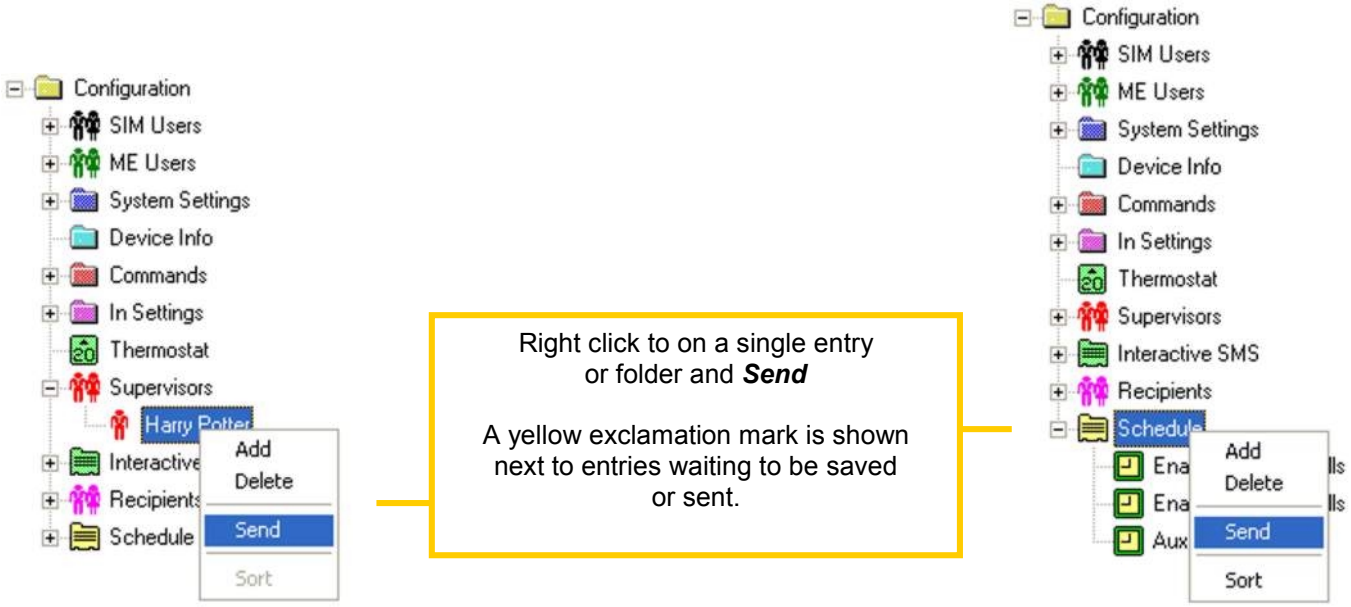
It's possibile to set a timeout (1-12 hours) for ***Unreachable Setpoint***.
A ***Temp Control Failure*** occurs when the setpoint temperature is not reached within specified time: alerts will be issued to specified ***Recipients***.

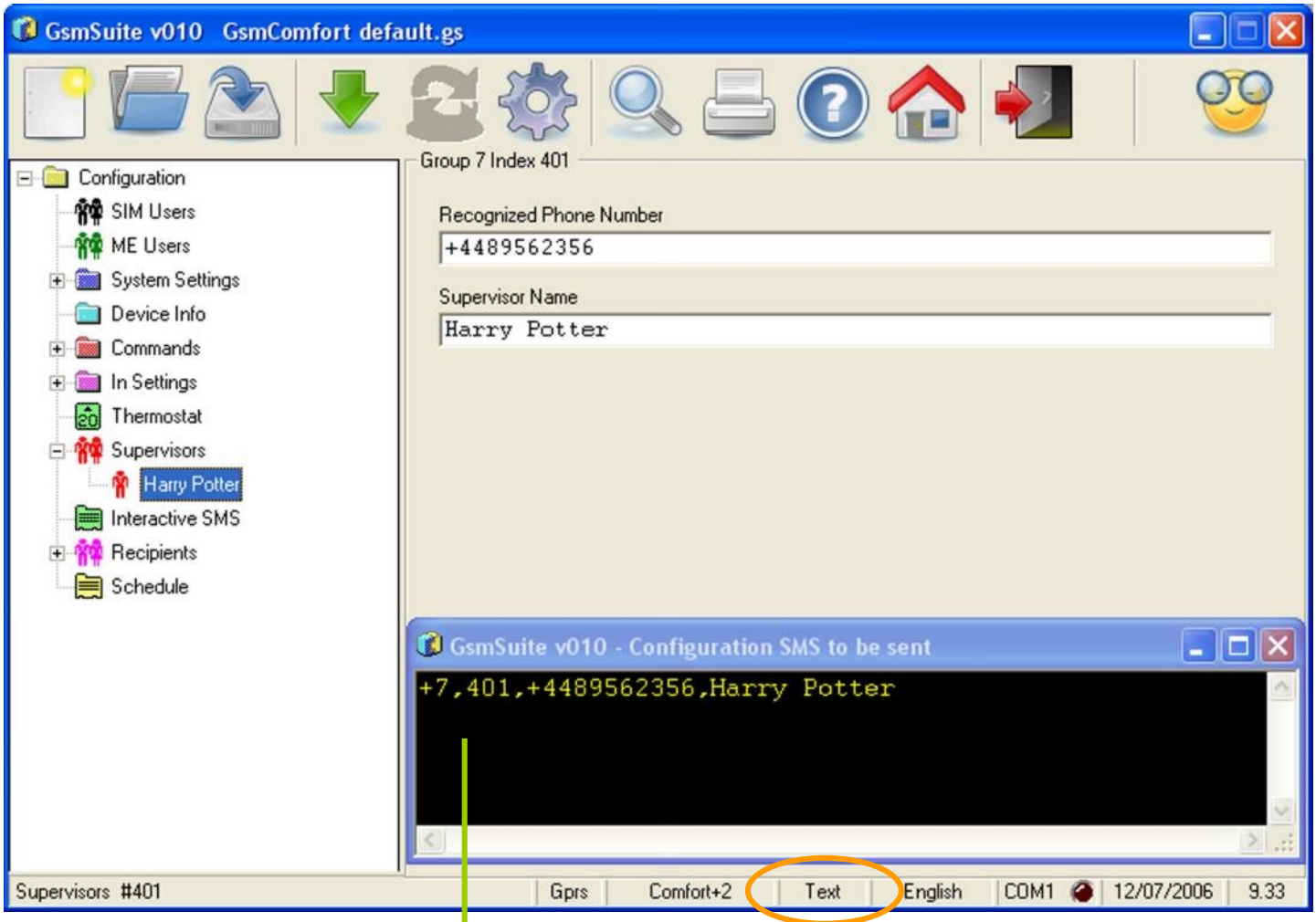
The antifrost protection threshold (2÷10°C / 36÷50°F) when operating in heat mode.
Disable this feature if the automatic output activation at low temp is not necessary.

SCHEDULE


Configuration
SIM Users
ME Users
System Settings
Device Info
Commands
In Settings
Supervisors
Interactive SMS
Recipients
Schedule
Add
Delete
Send
Sort
ESC to abort the operation
Right click to open the context menu and Add
From the dropdown list select the Scheduled activity to be performed on time basis
Set Conditions :
Monday to Friday only
Even
Weekend only
Monday to Friday only
Monday only
Friday only
Last Sunday of the month only
GsmSuite v010
Group S Index 1
Scheduled activity
Send status SMS to supervisors
Condition
Monday to Friday only
Frequency
Every day
Date / Time
mercoledì 12/ luglio /2006 08:48
Schedule #001
Gprs
Control+D
Text
English
COM1
12/07/2006
8.49
Set Date / Time for the first activation, which must be later than existing real time clock settings for the device.
Set Frequency :
Every day
Once
Every day
Every week
Every month
Every year

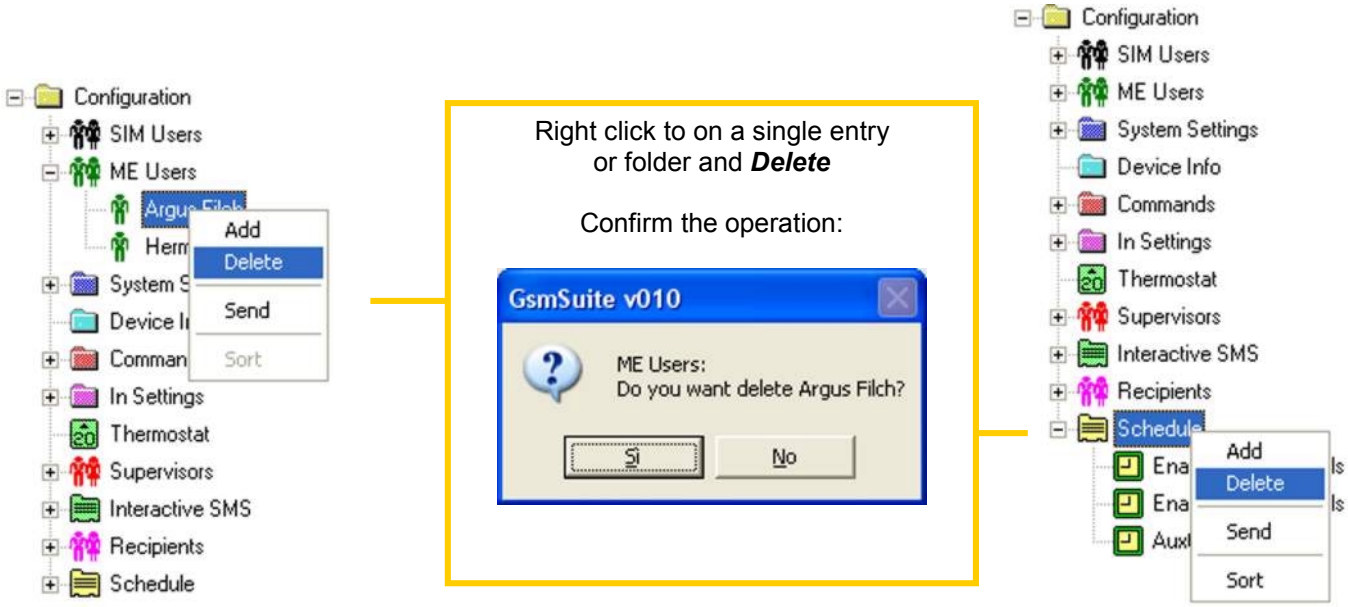
OFFLINE SEND TEXT MODE

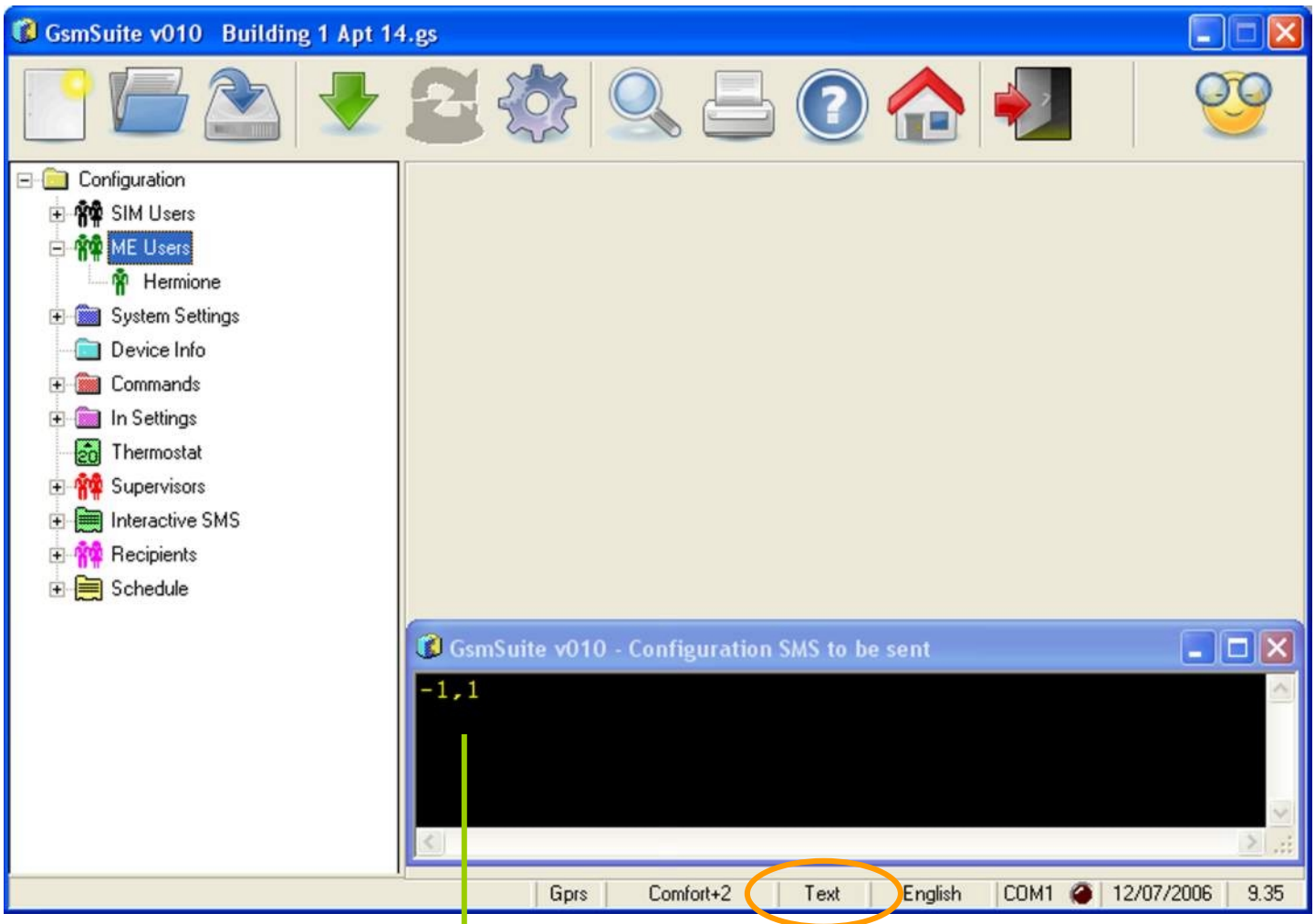




In ***Text*** mode the configuration string will be displayed in a pop-up textbox:
any Supervisor can copy and send this string to remote device thus enabling remote configuration.
SMS can be sent by means of mobile phones or Internet based SMS services.

DELETE IN TEXT MODE

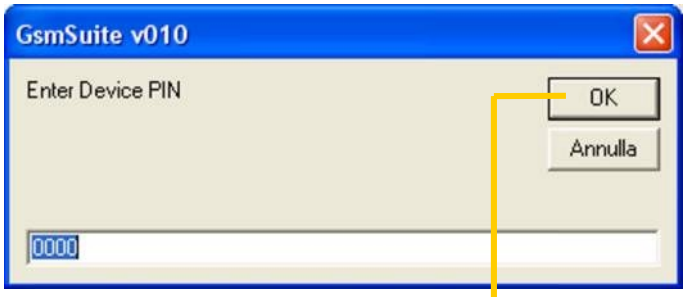




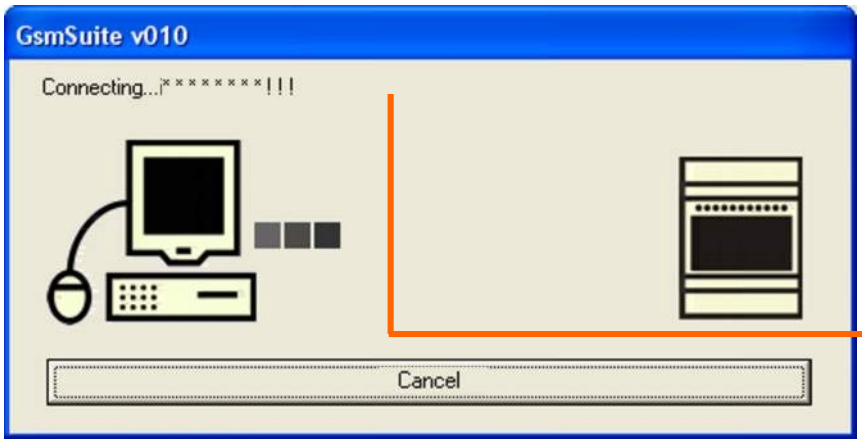
In ***Text*** mode, the configuration string will be displayed in a pop-up textbox:
any Supervisor can copy and send this string to remote device thus enabling them to remove the entry by remote configuration. SMS can be sent by means of mobile phones or Internet based SMS services.

CONNECT A LOCAL DEVICE

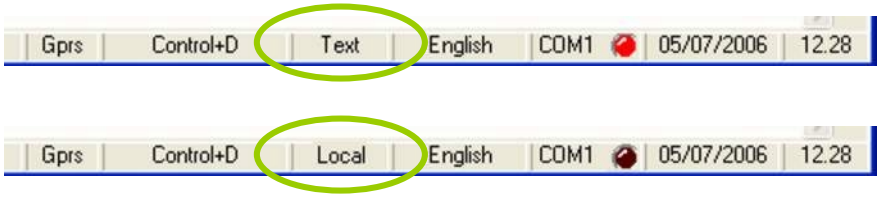
To ***Connect*** a device linked to local com port click on the menu button.
To access the device enter the device PIN code, factory set to 0000.



When PIN code has been entered click OK button to start loading data from device.



Any missing answer from device is marked with star character, exclamation points will be displayed at any correct answer from the device.



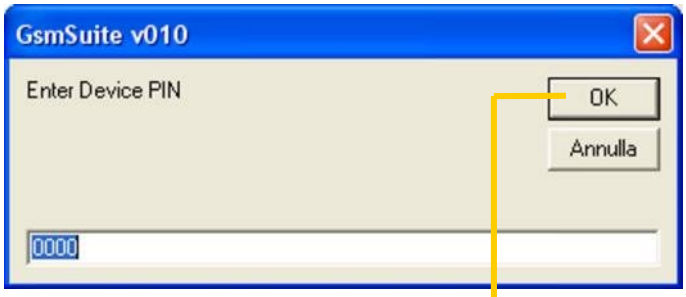
Communication light will be lit when com port is open. At the end of loading procedure the device mode label will change from ***Text*** to ***Local***.

Click ***Refresh*** button to reload all parameters from linked device.

Click ***Disconnect*** to release the connection.

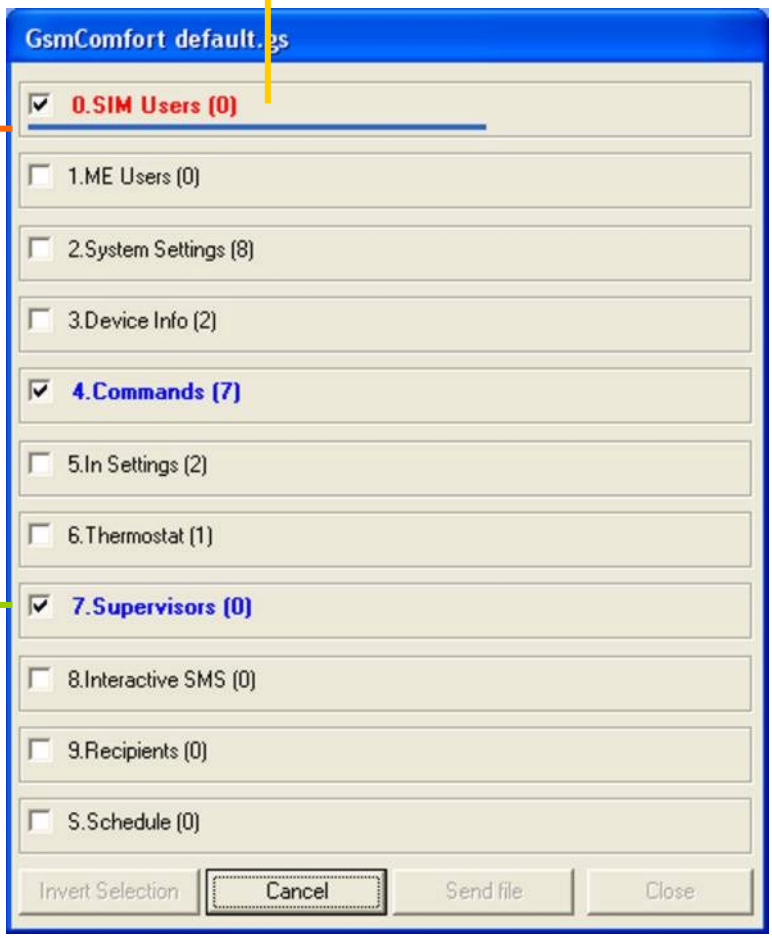
WRITE A FILE INTO LOCAL DEVICE

Click on Write button to upload a complete configuration file (previously saved) to a device connected to local com port.
To access the device enter the device PIN code, factory set to 0000.



When PIN code has been entered click OK button to enter the download procedure.
Tick the Group of settings you wish to be downloaded into device, defined entries for any group are shown.
All existing entries into the device will be deleted prior to downloading new settings.

A progressive bar will inform about Erase and write operations.

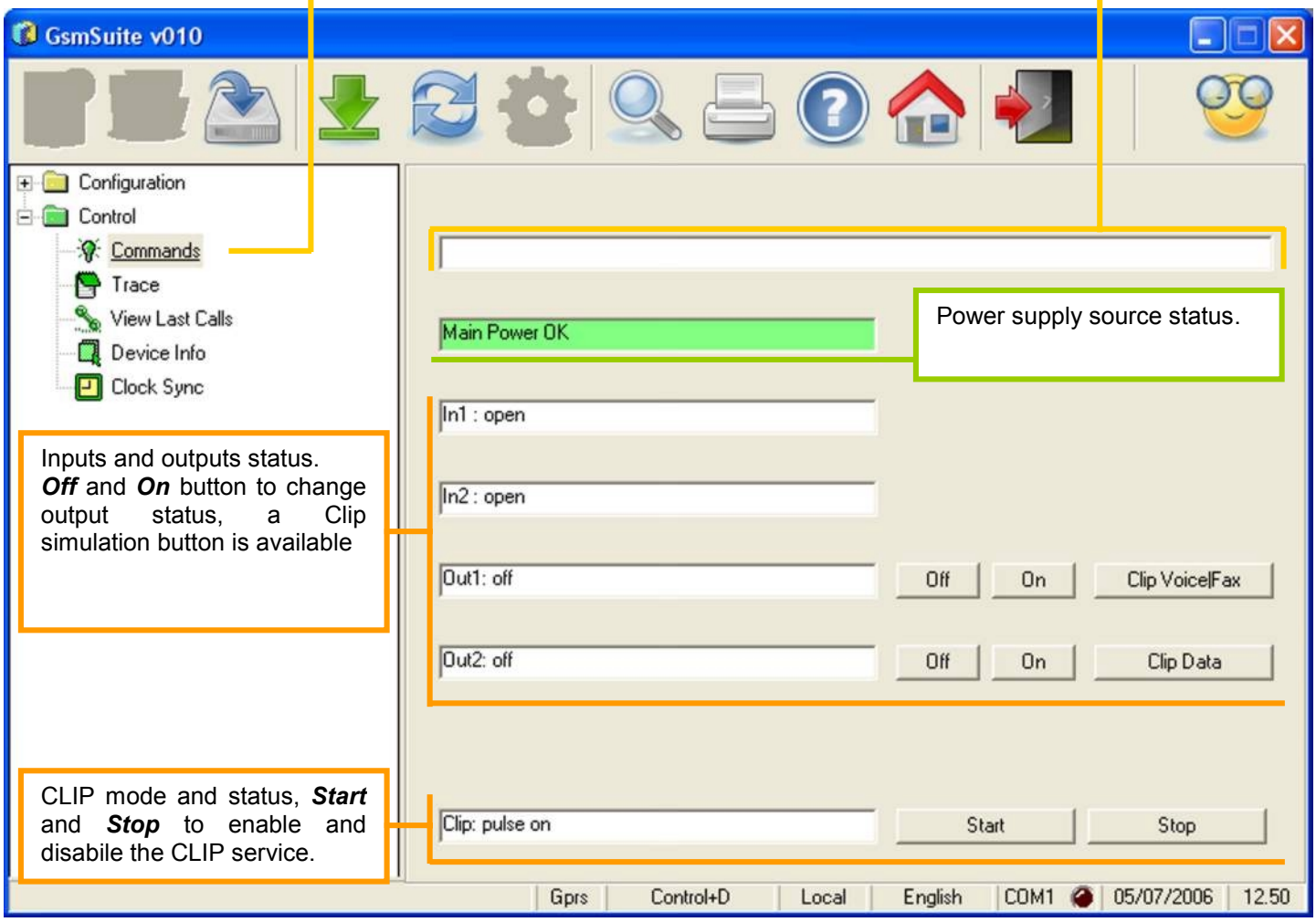


Once the download has been completed the group will be marked blue bold, the group involved in download will be marked red bold.

COMMANDS

Once device is connected select ***Commands***

Device Info and ***Device Description*** are shown



Power supply source status.

Inputs and outputs status. ***Off*** and ***On*** button to change output status, a Clip simulation button is available

CLIP mode and status, ***Start*** and ***Stop*** to enable and disabile the CLIP service.

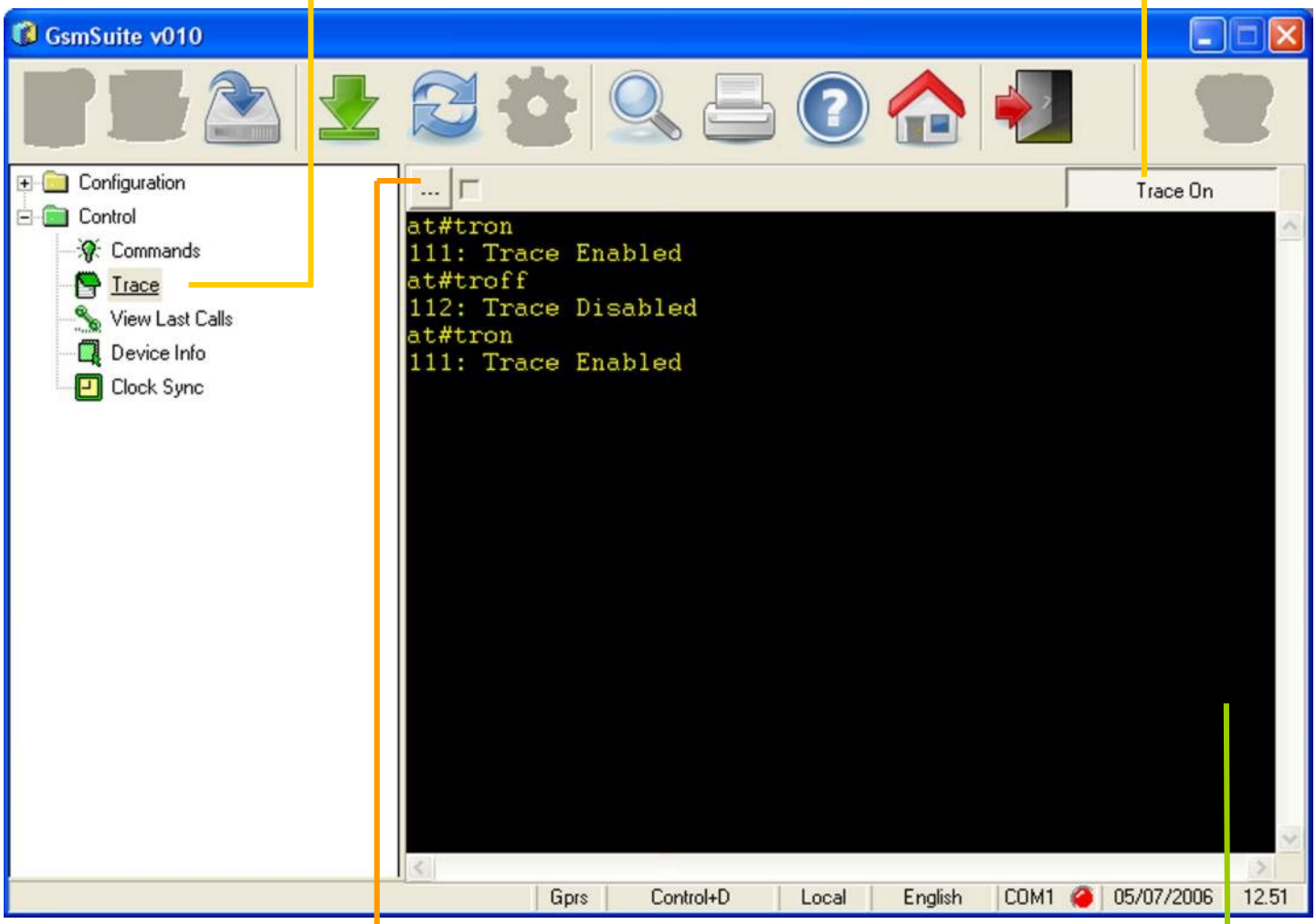
Status is periodically updated.

Specific Control windows are available for each devices.

TRACE

Once device is connected select ***Trace***

Trace can be turned on and off by means of specific button

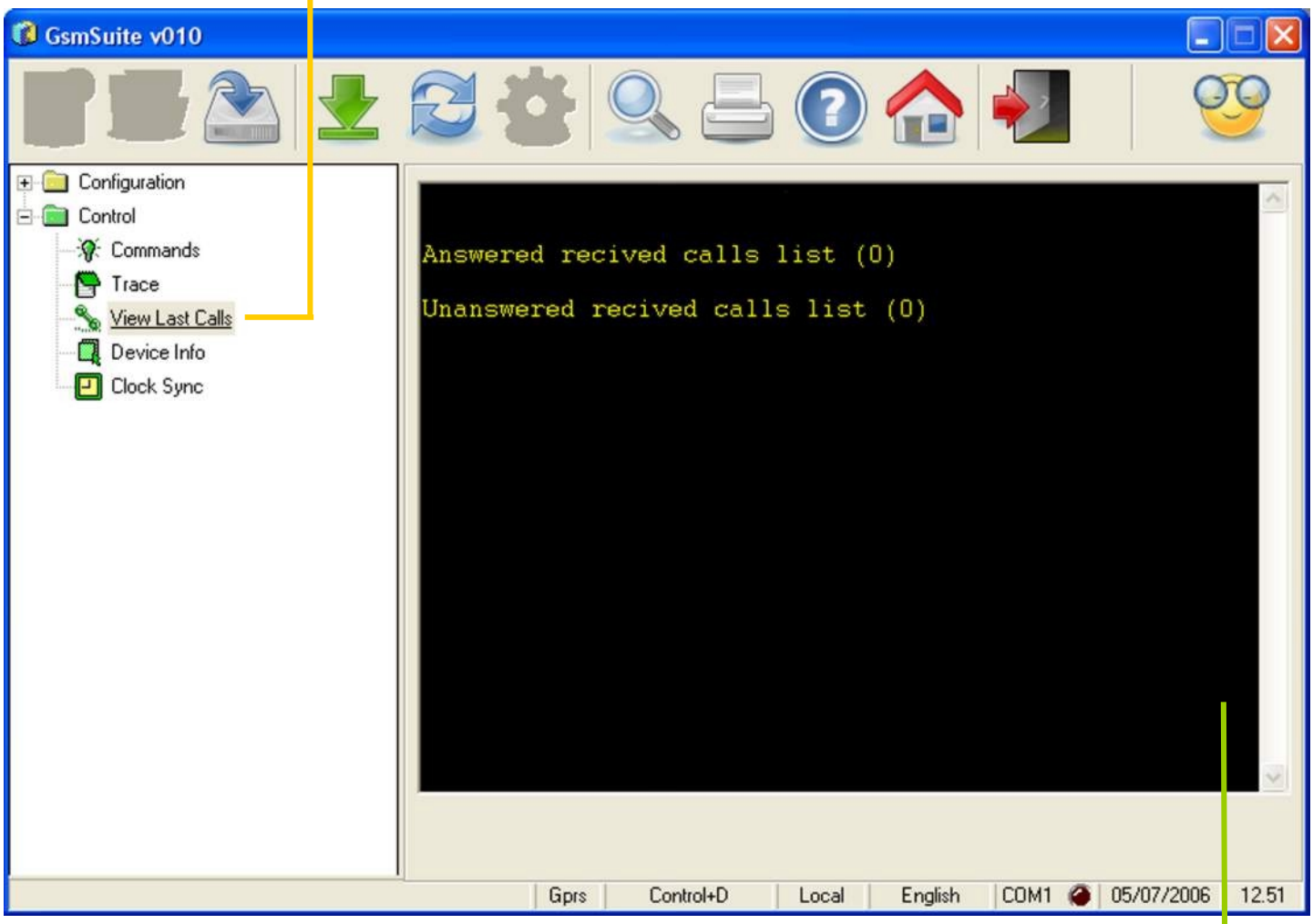


Check and Select the destination if you want to save the incoming log records to file.

All trace logs issued by the device are shown in the main window.
Configuration strings will be logged leaving the trace on while operating on settings.

VIEW LAST CALLS

Once device is connected select
View Last Calls



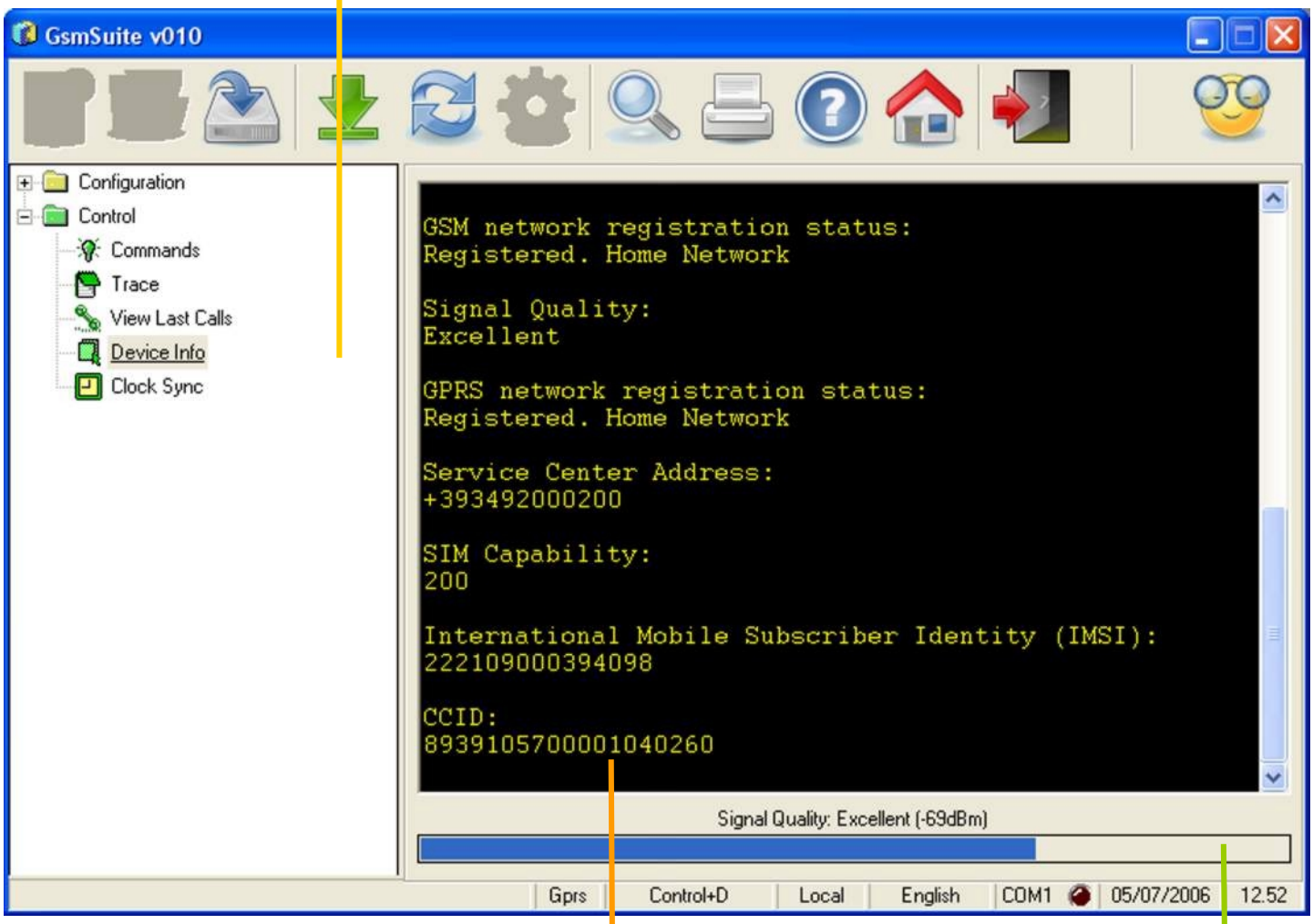
Received calls will be shown in the main window.

Unanswered calls are usually associated with ***pulse***, ***reverse*** and ***toggle*** (when the user hangs up before confirmation tones).

Unanswered calls are usually associated with ***dtmf*** and ***toggle*** (when the user waits ondine for confirmation tones).

DEVICE INFO

Once device is connected select
Device Info



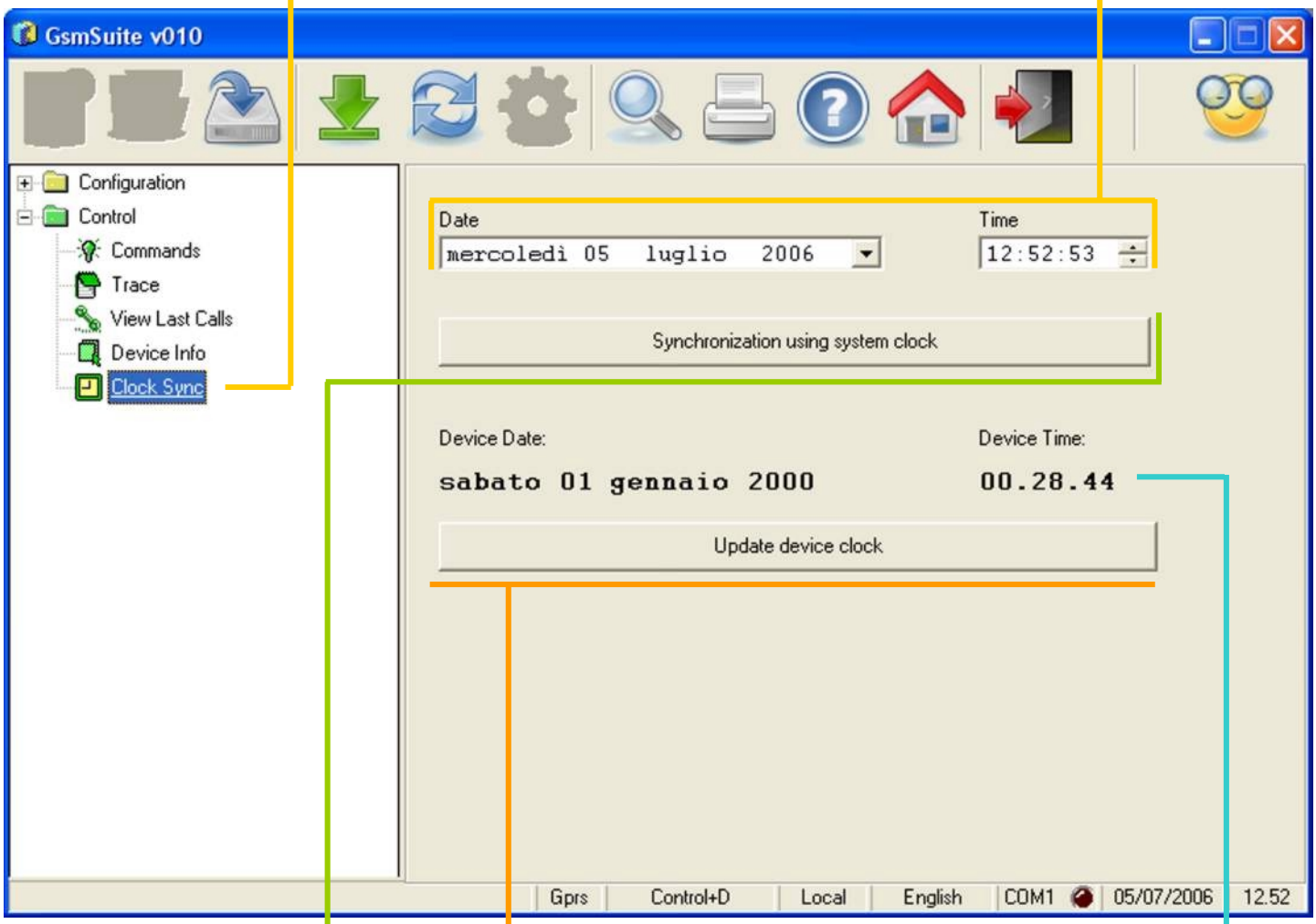
Complete information about device and operatine status will be displayed in the main window.

The signal strength is reported also in graphic mode.

CLOCK SYNC

Once device is connected select
Clock Sync

Data / ***Time***
Manual settings



Click to sync Date / Time
using the PC clock info

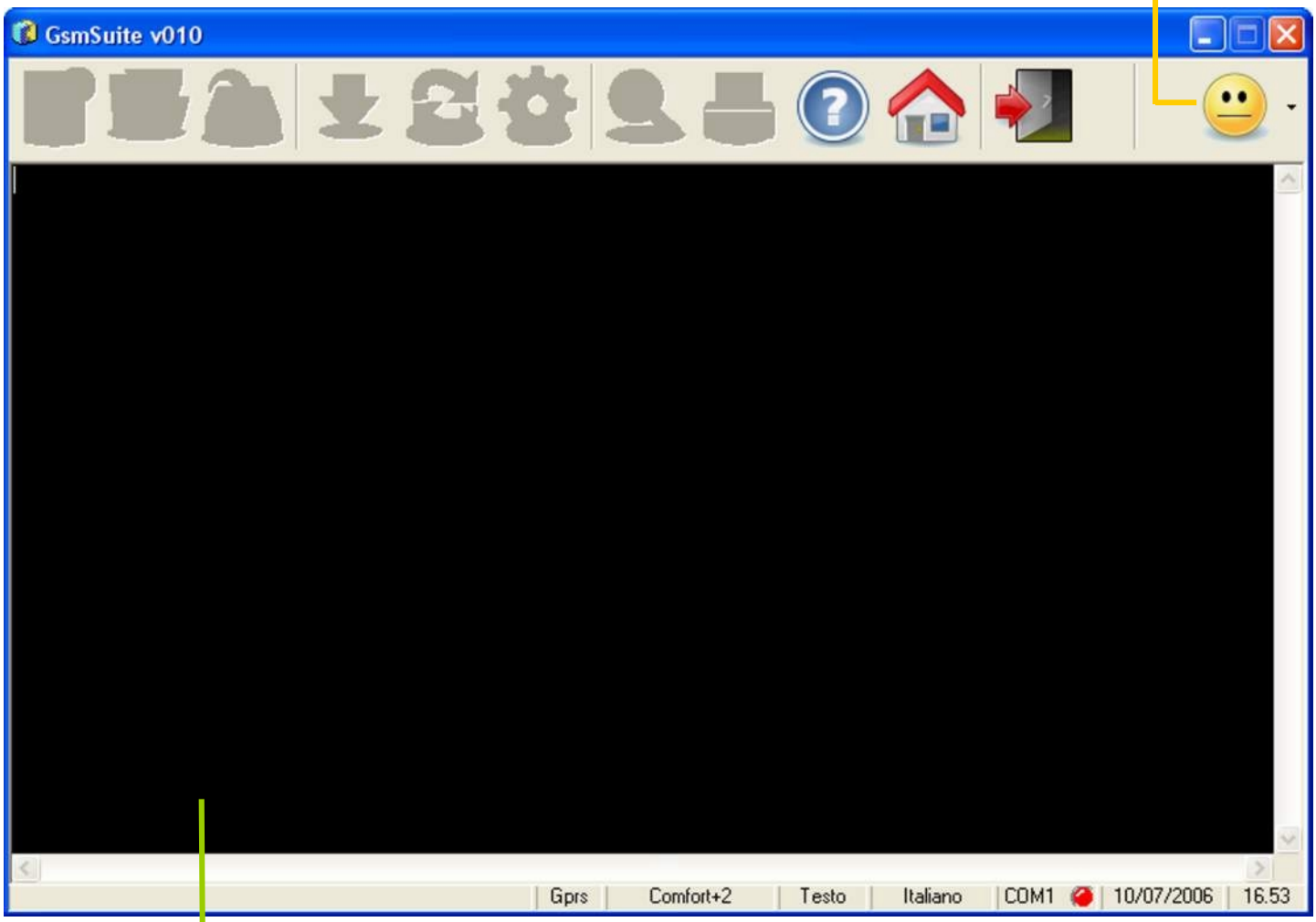
Click
Update device clock
to transfer settings to linked device

Current ***Device Date*** and
Device Time are shown

TERMINAL

Click to open the terminal emulation window.
This terminal emulator can work properly with genuine device only.

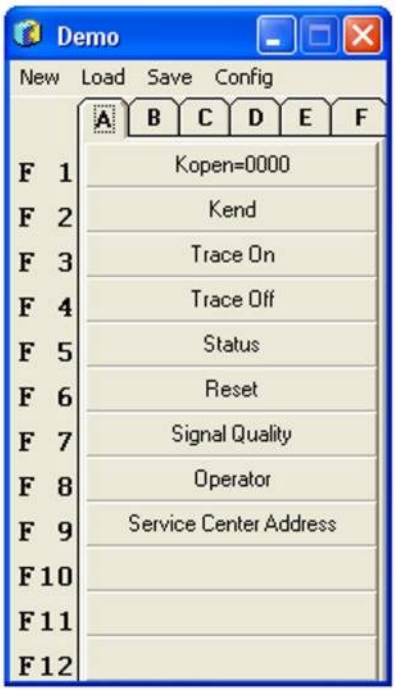
Click to leave the terminal emulation window.



Type AT commands and watch for device reply. Some AT commands can modify the device operatine conditionand are potentially dangerous.

TERMINAL FUNCTION KEY

Click to open the frequent used command floating window.



Click the specific button or type the associated function key to issue predefined text strings.

Many different environments can be saved to or loaded from file.

A configuration window will be shown selecting Config from the menu: enter custom caption and string.

A trailing \0d will issue an <Enter>.